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*** Basic Information ***
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[Create date] 2017/05/02

[Program Name] SDKService(for eDC)

[Version] 1.09.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1501437J_forEDC

[File Information]

File Name D1501437J_forEDC.zip

File Type Module for Service

Size 0.20 MB (207669 byte)

[Production reflection] 2017/05

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Symptom corrected:

- Intent information may not be received from the applications for Smart operation panel at start-up.

[Modification history]

Version 1.08.00

Other changes:

Applications for the smart operation panel can be installed, un-installed, and updated using Remote tools such as DMNX.

Version 1.07.00

Symptom corrected:

Copy/Scanner/Fax show the state of jobs as being conducted immediately after the device is rebooted.

Version 1.06.01

Symptom corrected:

- The operational panel display may return to the Home screen before the scanning job is finished.
- The machine may not recover from Energy Saver mode.
- When repeatedly transitioning to and from energy-saving mode, the SDKService process might suffer from a memory leak.

Version 1.05.00

Other changes:

- Supported RICOH SmartSDK v1.04.

Version 1.04.00

Other changes:

- Supported RICOH SmartSDK v1.03.

Version 1.03.09

Specification change

- Supports Web application API V1.02.

Other changes:

- Supported RICOH SmartSDK v1.02

Version 1.02.01

Specification Change

- Web application API V1.01

Version 1.01.05

Symptom corrected

The following may occur after the user awakens the machine from

Energy Saver mode from inside Web Image Monitor:

- Web Image Monitor is unable to obtain the machine status information from the machine's Web application
- The LCD touch panel takes about 10 minutes to come on line

Version 1.01

Initial release

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*** Basic Information ***
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[Create date] 2017/06/01

[Program Name] IWnnIME

[Version] 2.3.3

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1961403_forEDC

[File Information]

File Name D1961403_forEDC.zip

File Type Module for Service

Size 8.32 MB (8728562 byte)

[Production reflection] 1st Mass Production

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]
Other changes:
- New Model Supported.

[Modification history]

Version 2.3.3
1st Mass production

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*** Basic Information ***
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[Create date] 2017/06/01

[Program Name] iWnnIME_Simplified

[Version] 1.0.0

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1961404_forEDC

[File Information]

File Name D1961404_forEDC.zip

File Type Module for Service

Size 1.38 MB (1448940 byte)

[Production reflection] 1st Mass Production

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]
Other changes:
- New Model Supported.

[Modification history]

Version 1.0.0
1st Mass production

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*** Basic Information ***
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[Create date] 2017/06/01

[Program Name] iWnnIME_Traditional

[Version] 1.0.0

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1961405_forEDC

[File Information]

File Name D1961405_forEDC.zip

File Type Module for Service

Size 1.25 MB (1306281 byte)

[Production reflection] 1st Mass Production

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]
Other changes:
- New Model Supported.

[Modification history]

Version 1.0.0
1st Mass production

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*** Basic Information ***
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[Create date] 2017/06/01

[Program Name] iWnnIME_Hangeul

[Version] 1.0.0

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1961406_forEDC

[File Information]

File Name D1961406_forEDC.zip

File Type Module for Service

Size 0.78 MB (820417 byte)

[Production reflection] 1st Mass Production

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]
Other changes:
- New Model Supported.

[Modification history]

Version 1.0.0
1st Mass production

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*** Basic Information ***
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[Create date] 2017/04/19

[Program Name] CSPF

[Version] 2.02.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1961430B_forEDC

[File Information]

File Name D1961430B_forEDC.zip

File Type Module for Service

Size 0.33 MB (344926 byte)

[Production reflection] 2016/08

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Symptom corrected:

[SP C840DN/C842DN] The operation panel continues to display the white screen and does not activate even if the "AuthWrapperTestDecolet" application icon is pressed.

[Modification history]

Version 2.02.00

Symptom corrected:

- New Model supported.

Version 2.01.01

Symptom corrected:

- Pre-installed application can be falsely uninstalled with the extended features of Web Image Monitor.

Version 2.00.06

1st Mass production

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*** Basic Information ***
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[Create date] 2018/05/25

[Program Name] LanguageWidget

[Version] 1.10

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411431K

[File Information]

File Name D2411431K.zip

File Type Module for Service

Size 0.20 MB (207568 byte)

[Availability of RFU] No

[Production reflection] 2018/05

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- The machine might stall if the widgets reboot during a firmware update.

[Modification history]

Version 1.09

Other changes:

- Supports Arabic

Version 1.06

Other changes:

- New Model Supported.

Version 1.06

Minor change.

Version 1.05

Minor change.

Version 1.04

Minor change.

Version 1.03

Symptom corrected:

Applications can be uninstalled from Web Image Monitor.

Other changes:

Support for the MP C306ZSP/C406ZSPF.

Support for the MP 402SPF.

Support for the MP 6503SP/MP 7503SP/MP 9003SP.

Version 1.02

Symptom corrected:

Minor bug correction.

Version 1.01

Symptom Corrected:

Several application names were incorrect.

Version 1.00
1st Mass production

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*** Basic Information ***
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[Create date] 2018/05/25

[Program Name] TonerWidget

[Version] 1.06

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411434H

[File Information]

File Name D2411434H.zip

File Type Module for Service

Size 0.60 MB (624768 byte)

[Availability of RFU] No

[Production reflection] 2018/05

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- The machine might stall if the widgets reboot during a firmware update.

[Modification history]

Version 1.05

Other changes:

- New Model Supported.

Version 1.05

Symptom corrected:

Remaining amount of toner displayed on the widget is incorrect.

Version 1.04

Symptom corrected:

- Minor bug correction

Other changes:

Support for the MP C306ZSP/C406ZSPF.

Support for the MP 402SPF.

Version 1.03

Symptom corrected:

- Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.02

Other changes:

Minor changes made to improve reliability.

Version 1.01

Symptom Corrected:

Several application names were incorrect.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2018/05/25

[Program Name] FaxInfoWidget

[Version] 1.04

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411435F

[File Information]

File Name D2411435F.zip

File Type Module for Service

Size 0.16 MB (169120 byte)

[Availability of RFU] No

[Production reflection] 2018/05

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- The machine might stall if the widgets reboot during a firmware update.

[Modification history]

Version 1.03

Other changes:

Added the function to set user usage restrictions for each application.

Version 1.02

Other changes:

- New Model Supported.

Version 1.02

Symptom corrected:

Applications can be uninstalled from Web Image Monitor.

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New Model Supported

Version 1.01

Symptom Corrected:

Several application names were incorrect.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2017/06/01

[Program Name] StopKeyWidget

[Version] 1.01

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411436B_forEDC

[File Information]

File Name D2411436B_forEDC.zip

File Type Module for Service

Size 0.20 MB (214948 byte)

[Production reflection] 2017/03

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]
Other changes:
- New Model Supported.

[Modification history]

Version 1.01
Symptom corrected:
Applications can be uninstalled from Web Image Monitor.

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New Model Supported

Version 1.00
1st Mass production

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*** Basic Information ***
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[Create date] 2018/05/25

[Program Name] EcoInfoWidget

[Version] 1.07

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411437G

[File Information]

File Name D2411437G.zip

File Type Module for Service

Size 1.96 MB (2052742 byte)

[Availability of RFU] No

[Production reflection] 2018/05

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- The machine might stall if the widgets reboot during a firmware update.

[Modification history]

Version 1.06

Other changes:

- New Model Supported.

Version 1.06

Minor change.

Version 1.05

Minor change.

Version 1.04

Other changes:

Support for the MP 402SPF and MP C306ZSP/C406ZSPF.

Version 1.03

Symptom corrected:

- Minor bug correction

Version 1.02

Symptom corrected:

Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.01

1st Mass production

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*** Basic Information ***
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[Create date] 2017/06/01

[Program Name] ProgramInfoService

[Version] 1.18

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411438D_forEDC

[File Information]

File Name D2411438D_forEDC.zip

File Type Module for Service

Size 0.54 MB (568501 byte)

[Production reflection] 2017/03

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]
Other changes:
- New Model Supported.

[Modification history]

Version 1.18
Symptom corrected:
- Minor bug correction

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New Model Supported

Version 1.17
Other changes:
Minor changes made to improve reliability.

Version 1.16
1st Mass production

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*** Basic Information ***
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[Create date] 2018/02/20

[Program Name] RemoteSupportService

[Version] 1.0.2

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1961459B

[File Information]

File Name D1961459B.zip

File Type Module for Service

Size 0.19 MB (195595 byte)

[Availability of RFU] No

[Production reflection] 2018/01

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Other changes:

New model supported.

[Modification history]

Version 1.0.2

Rank C

Symptom corrected:

RemoteConnect Support does not start even if you press and hold the top banner.

Version 1.0.1

- Minor bug correction

- Initial release

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*** Basic Information ***
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[Create date] 2018/08/28

[Program Name] CheetahSystem

[Version] 1.30

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411425J

[File Information]

File Name D2411425J.zip

File Type Module for Service

Size 197.62 MB (207216466 byte)

[Availability of RFU] No

[Production reflection] 2018/08

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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- After Process Control (Density Adjustment) is executed, horizontal streaks might appear on the first printed page.
- When using SmartSDK external authentication, the login process might not be able to be cancelled.
- The login button might be missing when "Home Key Settings" is enabled.
- Installer will crash in situations where updating via Application Site is failed.

Other changes:

- The startup method for RemoteConnect Support has changed.
- Before: Press and hold the top banner for five seconds and then release it.
- New: Press and hold the top banner for five seconds.
- Hybrid applications that were not installed from the Application Site can now be updated or uninstalled from the Application Site.
- The default value of the Bypass Tray setting was changed to "Driver/Command".
- Printer Features > System > Tray Setting Priority > Bypass Tray

[Modification history]

Version 1.29

Rank C

Symptom corrected:

- An SO216-002 error might occur when logging in if 'Enhanced Print Volume Use Limitation' is enabled for a Smart SDK application.
- Can not log in at once even if the IC card is touched/swiped while the device is in the sleep state.
- The device might stall if the logout button is pushed during auto-logout and the notification sound is set to something other than "No Sound" or "Sound of Beep".
- The machine repeats to recover from Energy Saving Mode in a certain combination of conditions.
- Fixed CVE-2017-13077,CVE-2017-0781,CVE-2017-0785.
- Data transfer via a proxy might stop when logging out because the proxy connection will be interrupted.
- Fixed CVE-2015-3832, CVE-2015-3834, CVE-2016-0837, CVE-2016-2417, CVE-2015-3836, CVE-2015-3874, CVE-2017-14496, CVE-2017-13078, CVE-2017-13079, CVE-2017-13080, CVE-2017-13081, CVE-2017-13087, and CVE-2017-13088.

Version 1.28

Rank C

Symptom corrected:

- The function keys on the banner cannot be pressed until five seconds after login.
- Login fails if the NDEF (NFC Data Exchange Formation) type of IC card is used for IC card authentication.

- The Smart Device Connector stops working if connected via Bluetooth for an extended period of time.
- Fixed CVE-2015-3832, CVE-2015-3834, CVE-2016-0837, CVE-2016-2417, CVE-2015-3836, CVE-2015-3874, and CVE-2017-14496.
- The machine does not return from the energy saving mode if the NFC card RW is connected to the operation unit,
- When a SDKJ application requiring authentication is set as the priority application and a user is not logged in, pressing the home key causes the "Previous operation has not finished" message to be displayed.
- The home screen does not transition to the default page after logging out.
- After the launcher reboots, application icons are not displayed on the home screen.
- The operation panel does not reboot normally after recovering from the sleep state.
- Nothing is displayed on the screen of the operation panel after switching the screen.
- You can not log in at once even if you hold the IC card while the device is in the sleep state.
- Full screen video is not displayed correctly in the Cheetah G2 browser.
- Fixed CVE-2014-3153.
- The center coordinates of the screen might be misaligned even after calibrating with "Touch Screen Adjust".
- System auto reset or auto logout occurs while using external input device (ex. keyboard,mouse).
- Job history might be displayed even if SP5-888 (Personal Information Protect) is enabled.
- Job history might be displayed even if SP5-888 (Personal Information Protect) is enabled.
- After returning from Energy Saver mode, when using the shortcut icon to access a site that displays the certificate warning dialog, the dialog is displayed briefly and Web Browser NX freezes.
- When the user interrupts during previewing the scanned document with using Web Bowser NX based application and transits to another screen such as the Home screen, the web page is reloaded and user would then need to execute the scan job from the beginning.
- The machine might stall if the widgets reboot during a firmware update.

Other changes:

- When installing the Browser NX application from the Application Site, the required firmware can be checked and updated.
- Applications for the web browser can be downloaded from the Application Site.
- When a user with installation authority from the Application Site checks the details page of the new application notification, the notice will not be displayed on the operation panel.
- The period for the automatic update of applications has been extended.

Version 1.27.2

Rank C

The operation panel might stall when the SOP and the application settings are exported using the backup function.

Version 1.27

Rank C

Symptom corrected:

- Fixed CVE-2014-6024, CVE-2014-6025, CVE-2014-5524, CVE-2014-5525, CVE-2014-5526, CVE-2014-5528, CVE-2014-5529, CVE-2014-5971, CVE-2014-6645 and CVE-2014-4881.
- Fixed CVE-2016-3819, CVE-2016-3822, CVE-2016-0718, CVE-2016-3863, CVE-2016-6702, CVE-2016-6703, CVE-2015-1283 and CVE-2012-6702.
- The message, "Unfortunately, Settings2 has stopped", may appear and User Tools cannot be accessed if Cheetah firmware v1.24 or earlier is applied to the SOP with firmware v1.25 or v1.26.
- The following issues might occur on the machine when updating the package firmware:
 - Error 22 occurs when updating via ARFU.
 - E228 occurs when updating via SD card.
- The operation panel may stall at start up or after recovering from the energy saving mode.
- Minor changes were applied for the Japan domestic model only.
- The yellow mark might not be displayed on the 'Other Settings' icon even if one of the settings in 'Other Settings' is enabled.
- After starting Web Browser NX, Application Site cannot be started from Screen SP Mode and a "Please Wait" message will be displayed.

Other changes:

- Support for a new eMMC used in the SOP.
- The ICE icon is displayed by default in North American models.
- SOP and application setting is stored to HDD.
- Added the SmartSDK Interface for Kerberos authentication.
- Supported RICOH SmartSDK v2.50.
- Some of the Japanese terms used in the Fax application have been updated.

Version 1.26

Other changes:

Support for a new eMMC used in the SOP.

Version 1.25

Symptom corrected:

- When trying to log in to the device using Bluetooth in Smart Device Connector, the "Failed to find an operation panel which supports Bluetooth connection" error message might be displayed on the operation panel and login fails.
- FAX-related sounds can be set on machines without the FAX function.

Other changes:

- Supports Arabic

Version 1.24.1

Symptom corrected:

1. A bug of SmartSDK API was fixed.
2. Fixed CVE-2016-2507, CVE-2016-2508, CVE-2016-3861, and CVE-2016-3862.
3. SC998 may occur if the two situations below happen at the same time:
 - Machine goes into sleep mode from panel off.
 - Machine wakes up by the human detection sensor.
4. SC843-02 may occur.

5. An error message indicating the failure of part of the import may be displayed when executing "Export" and "Import" on user tools with SOP version 1.21 or later.
6. The operation panel may become blurry and lines may appear, and then the machine automatically reboots.

Other changes:

1. Supported the Remote Panel Operation.
2. The following functions have been added and/or changed:
 - Applications which were not installed via the Application Site can now be updated via the Application Site.
 - Automatic update for applications is now available.
 - Application updates can be enabled or disabled.
 - Notification about new/updated applications can be enabled or disabled.
 - Region switching is now restricted.
 - Added Application Site support for China and Korea.
3. Added the function to set user usage restrictions for each application.
4. Added the new features for SmartSDK API

Version 1.23

Symptom corrected:

1. When the log-in dialog is not set to be displayed, the SDKJ application icon that is configured to conduct the application-specific authentication is not displayed on the home screen.
2. When a device is in Energy Save mode, the device operation panel will show the "Log in" screen after a user swipes an IC card. This issue occurs in the case that Streamline NX v2 or Card Authentication Package v2 is used as the authentication system.

Other Change:

3. Other changes: Supported RICOH SmartSDK v2.40.
4. Web Help function support for the following models:
 - MP C2004/C2504/C3004/C3504/C4504/C5504/C6004
 - MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

CheetahSystem 1.23(D2411425)
LegacyUI 1.16(D2411427S)
SimpleCopy 1.18(D2411443Q)
SimpleScan 1.14(D2411444Q)
SimpleFAX 1.13(D2411445N)
PrinterSJob 1.72(D2411446N)
SmartCopy 1.22.1(D2411454T)
SmartScan 1.14.1(D2411456Q)
SmartFAX 1.19.1(D2411457Q)
PrinterInfo 1.12(D2411458N)
HelpService 1.00(D2411471)

Please refer to the RTB(No.RD0AD001b) for details.

5. Network connection confirmation from SOP was changed not to take place when recovering from the sleep mode.

Version 1.22.2

Symptom corrected:

- SOP may unexpectedly reboot while entering sleep mode and may also be followed by SC819/SC672.
- Executing [Device Setting Information: Export (Memory Storage Device)] causes applications such as Legacy, Simple application, etc. to appear on the screen.

Specification Changes:

- Trial applications that include restrictions on data availability and/or available models can be installed and have those restrictions controlled.

Version 1.21

Specification Changes:

- Adhering to the Talkback accessibility function in Android OS for visually impaired people, the API is modified.
- Trial applications that include restrictions on data availability and/or available models can be installed and have those restrictions controlled.

Other Changes:

- The design of the icon that represents "Print Side" and "Open Orientation" in the Detailed Settings of the fold type has been improved.
- Design of the "Reset" button has been modified.
- [SP C840DN/C842DN] Improved the parts replacement procedures provided in the user maintenance movie.

Version 1.20

Symptom corrected:

- Message "Card Authentication device are not connected." appears when hovering the IC authentication card over the card reader and the user is unable to log in.
- Cannot log in by hovering the NFC card over the card reader.
- Pressing the "Check" button at an error message on a machine set to FAX causes to start up the Legacy Fax, and on a machine set to Legacy, the Fax starts up.

Additional Model Information:

- New Model Supported.

Version 1.19

Specification Change:

- The icons used in the Fold options setting screen of the Copy application were improved.

Version 1.18

Specification Change:

1. Screen monitoring from Web Image Monitor is not possible for three seconds after the operation panel has been touched.
2. The following actions can be done via a remote session (SLNX etc.):
 - The Home button can be configured as a gear icon and can be set to be displayed or hidden and enabled or disabled. In addition the function shortcut key 1 can be configured to the Home icon.
 - A function shortcut key can be set to be displayed or hidden, be registered

to an application, and have its application name changed.

- An application icon can be added.

3. The application list button on the home screen can be configured to be displayed or hidden.

Symptom Corrected:

1. When uploading files to a web server via web applications, sometimes a failure occurs.
2. Through the "Master Key" vulnerability (CVE-2013-4787), devices does not properly check RICOH signatures for applications, which allows attackers to run arbitrary code via an application package (.apk) file.
3. The operation panel may remain blacked out and not recover from sleep mode.

Version 1.17.2

Symptom corrected:

When an application error occurs, "Check Status" might close unexpectedly when "Check" is pressed in the "Mach./Applic.stat" tab.

Version 1.17.1

Symptom Corrected:

- The NFC card reader may not respond.
- The screen may stall when running ARFU.
- The system may not wake up from the sleep mode when attempted to log in with the IC card.
- When an application error occurs, "Check Status" might close unexpectedly when "Check" is pressed in the "Mach./Applic.stat" tab.

Version 1.16.2

<Symptom corrected>

[MP C306Z/406Z] The Smart Operation Panel screen turns black just after the machine recovers from Energy Saver mode.

Version 1.15

(MP C306/MP C406 series does not support v1.15.)

Symptoms corrected

1. Update of package firmware via ARFU (Auto Remote Firmware Update) may fail.
2. [For Taiwan only] Opening the Rimoco QR code application causes a force shutdown of the application.
3. Upload of scan data with Web BrowserNX may fail.

Version 1.13.1

Symptom corrected:

1. If a USB numeric keypad is connected, the machine cannot enter the sleep mode.
2. The Smart Operation Panel remains turned off and does not respond.
3. Cannot calibrate the Smart Operation Panel successfully.
4. When using certain user authentication applications, such as Nuance, printing cannot be conducted from Web Browser.

Version 1.12

Symptom corrected:

1. When a video is being played in full-screen mode in Web Browser, even if the Home button is pressed, the sound from the video continues to play.
2. After opting to save cookies in the message prompt that appears when initially starting up Web Browser NX, the Application Site cannot be opened.

Version 1.11

Specification Changes:

- Added the ability to control the number of beep sounds when logged in with the IC card.

Symptom Corrected:

- The machine may unexpectedly reboot when entering energy saver mode.
- An error may occur, if a machine setting is changed from WIM while in energy saver mode.
- If the device has CheetahSystem v1.09 and Legacy UI v1.01 installed, when installing an application by using an SD card, the Legacy UI firmware might be uninstalled or a part of the application might fail to be installed.
- Parts of application icons might not be displayed after executing SP5-761-001 to restore the default home screen settings.
- When launching Shared Folder Print, the application boot counter is displayed.
- When user code authentication is configured to be used in the Browser, some characters for "User Code" in the user code authentication pop-up dialog might not be displayed when Web Browser NX is launched.
- When Smart Device Connector is installed, it takes a shorter amount of time for the device to start up.
- [Only MP C306ZSP/C406ZSPF] Under the following conditions, Web Browser NX cannot be used:
 - The System/Copy firmware is v1.04 or older.
 - The CheetahSystem firmware is v1.09.
 - User authentication is not enabled or user code authentication is enabled.

Version 1.09

Specification change:

- The Home button can be configured as an application shortcut.

Symptom corrected:

- Numbers outside of the range of 1 and 255 can be entered as part of the server IP address or the client IP address in the "Wireless Direct" setting in "Screen Features".
- Webpages might not be displayed properly in the web browser when connected to a proxy server.
- When "Auto Dim Screen if it is Not Used For a White" is enabled in the "Brightness" setting, the brightness of the Smart Operation Panel remains dark if an IC card is used to log in.

- Devices that are connected to the Smart Operation Panel via Wireless Direct can communicate with each other.
- The licenses of applications that are installed via the Application Site cannot be renewed to reflect the new terms of validity.
- Hybrid applications can be installed by using an invalid product key via the Application Site.
- Warning message appears when activating iWnnIME.

Others:

- Security of user information was enhanced in the process of obtaining Smart Operation Panel logs.
- The default setting of iWnnIME was changed to ON.

Version 1.08

Support for the MP 402SPF.

Version 1.07.1

Symptom corrected:

Message "Unfortunately, Web Browser NX has stopped." may appear when turning off the main switch.

Version 1.06

Symptom corrected:

1. Under some conditions, the login screen may not be displayed on the device if SLNX installed.
2. Even though Quick Card Authentication is enabled, the legacy Copier, Quick Copy, or Copy application might appear on the operation panel after the device has been turned on.
3. Because of the timeout value when connecting to the server, applications might fail to install.
4. License information for Cheetah hybrid applications that are installed via the Application Site cannot be displayed correctly.
5. The user name is not displayed correctly when logging in to Web Image Monitor right after logging in to the Smart Operation Panel as a different user.
6. Preinstalled applications can be accidentally uninstalled from Web Image Monitor.
7. Under either of the following conditions, installing an application after updating the Zoo firmware via the Application Site will fail:
 - Installing a Cheetah native application when Java VM is disabled.
 - Installing a Cheetah hybrid application when Java VM is enabled.
8. When the device is in energy-saving mode, the device cannot be connected to via Wi-Fi Direct. When the device is transitioning to energy-saving mode, the Wi-Fi Direct connection will be disconnected.
9. The Cheetah operation panel may falsely detect a multi-touch.
10. Software version may not be displayed correctly.(ex: Ver.1.01 -> Ver 1.1)
11. Supports Color Controller E-23C

Other changes:

1. If an NFC card reader is used, the user information for CAP V2 can be cached in the Smart Operation Panel memory.
2. The Billing Code function can be used on devices with CAP V2 installed.

Version 1.05.1

Symptom corrected:

1. Pop Noise occurs in the operation panel.
2. If the card is removed from the NFC card reader before log-in completes, an error occurs and the card is no longer read by the NFC card reader.
3. When a client device is connected to the Smart Operation Panel via Wi-Fi Direct, corporate LAN environments connected via the network interface of the MFP can be accessed if the following settings are configured:
 - Wi-Fi Direct: Set to "Enable" (default: Disable)
 - Port Forwarding: Set to "Enable" (default: Enable)
 - Interface Settings: Set to "Machine Network" (default: Machine Network)
 - Group Owner Mode: Set to "Enable" (default: Disable)

Please note that the Wi-Fi Direct and Group Owner Mode settings are set to "Enable" when using the RICOH Smart Device Connector.

Version 1.04

Symptom Corrected:

1. If an application has been repeatedly installed and uninstalled with Zoo, the application becomes unusable.
2. Message "Application installer does not respond" appears on the Software Version List displayed on the smart operation panel.
3. Cannot install application from the eDC server.

Other Changes:

Support of the constraint required for the Chinese model.

Version 1.03

Symptom Corrected:

Some of the wording in English was incorrect.

Version 1.00.2

1st Mass production

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*** Basic Information ***
=====

[Create date] 2018/05/07

[Program Name] LegacyUI

[Version] 1.22

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,kr,br,tr,ca,gr)

[Firmware No.] D2411427Z_forEDC

[File Information]

File Name D2411427Z_forEDC.zip

File Type Module for Service

Size 11.41 MB (11966144 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
=====

[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- Operation pannel cannot be oparateld since a machine stalls during ARFU.

[Modification history]

Version 1.21

Rank A

Symptom corrected:

The following symptoms might occur:

- User settings cannot be accessed.
- Legacy applications do not open.
- "Please wait" remains displayed.

Version 1.20

Rank C

Symptom corrected:

- Minor changes were applied for the Japan domestic model only.

Version 1.19

Symptom corrected:

- SC899 occurs when updating by ARFU (Auto Remote Firmware Update) if Color Controller E-23C is installed.

Version 1.18

Other changes:

- Changes that only affect Japanese models.

Version 1.17

Symptom corrected:

- SC672-20 may occur after rebooting from SC819.
- SC672 and SC819 error messages appear to overlap each other.

Specification Change

- Added the specification of panel coordinate inspection for the Smart Operation Panel

Version 1.16

Other Change:

Web Help function support for the following models:

- MP C2004/C2504/C3004/C3504/C4504/C5504/C6004
- MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

CheetahSystem 1.23(D2411425)

LegacyUI 1.16(D2411427S)

SimpleCopy 1.18(D2411443Q)

SimpleScan 1.14(D2411444Q)

SimpleFAX 1.13(D2411445N)

PrinterSJob 1.72(D2411446N)

SmartCopy 1.22.1(D2411454T)

SmartScan 1.14.1(D2411456Q)

SmartFAX 1.19.1(D2411457Q)

PrinterInfo 1.12(D2411458N)

HelpService 1.00(D2411471)

Please refer to the RTB(No.RD0AD001b) for details.

Version 1.15.1

Symptom corrected:

- A system reset occurs at the wrong timing and the screen switches to the default set in Function Priority when connected with a USB device such as a keyboard.

Version 1.14

Specification Change:

Modified the API to adhere to the Talkback accessibility function in Android OS for visually impaired people.

Version 1.13.1

Minor change.

Version 1.12

Minor change.

Version 1.11

Specification change:

- Screen shots of the WIM Screen Monitoring function cannot be taken while in operation.

Version 1.10

Minor change.

Version 1.09
Minor change.

Version 1.08
Minor change.

Version 1.07
Support for the Support for the MP 402SPF.

Symptom corrected:
- Minor bug correction

Version 1.06
Symptom corrected:
- Minor bug correction

Version 1.04
Symptom corrected:
Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.03
Other changes:
Minor changes made to improve reliability.

Version 1.02
Symptom Corrected:
SC673 occurs.

Version 1.00
1st mass production

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*** Basic Information ***
=====

[Create date] 2018/08/28

[Program Name] CheetahSystem

[Version] 1.30

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) CHN(all)

[Firmware No.] D2411429J

[File Information]

File Name D2411429J.zip

File Type Module for Service

Size 198.67 MB (208322735 byte)

[Availability of RFU] No

[Production reflection] 2018/08

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*** Note ***
=====

[Note]

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*** Important Notes ***
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[Important Notes]

=====
*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- After Process Control (Density Adjustment) is executed, horizontal streaks might appear on the first printed page.
- When using SmartSDK external authentication, the login process might not be able to be cancelled.
- The login button might be missing when "Home Key Settings" is enabled.
- Installer will crash in situations where updating via Application Site is failed.

Other changes:

- The startup method for RemoteConnect Support has changed.
- Before: Press and hold the top banner for five seconds and then release it.
- New: Press and hold the top banner for five seconds.
- Hybrid applications that were not installed from the Application Site can now be updated or uninstalled from the Application Site.
- The default value of the Bypass Tray setting was changed to "Driver/Command".
- Printer Features > System > Tray Setting Priority > Bypass Tray

[Modification history]

Version 1.29

Rank C

Symptom corrected:

- An SO216-002 error might occur when logging in if 'Enhanced Print Volume Use Limitation' is enabled for a Smart SDK application.
- Can not log in at once even if the IC card is touched/swiped while the device is in the sleep state.
- The device might stall if the logout button is pushed during auto-logout and the notification sound is set to something other than "No Sound" or "Sound of Beep".
- The machine repeats to recover from Energy Saving Mode in a certain combination of conditions.
- Fixed CVE-2017-13077,CVE-2017-0781,CVE-2017-0785.
- Data transfer via a proxy might stop when logging out because the proxy connection will be interrupted.
- Fixed CVE-2015-3832, CVE-2015-3834, CVE-2016-0837, CVE-2016-2417, CVE-2015-3836, CVE-2015-3874, CVE-2017-14496, CVE-2017-13078, CVE-2017-13079, CVE-2017-13080, CVE-2017-13081, CVE-2017-13087, and CVE-2017-13088.

Version 1.28

Rank C

Symptom corrected:

- The function keys on the banner cannot be pressed until five seconds after login.
- Login fails if the NDEF (NFC Data Exchange Formation) type of IC card is used for IC card authentication.
- The Smart Device Connector stops working if connected via Bluetooth for an

extended period of time.

- Fixed CVE-2015-3832, CVE-2015-3834, CVE-2016-0837, CVE-2016-2417, CVE-2015-3836, CVE-2015-3874, and CVE-2017-14496.
- The machine does not return from the energy saving mode if the NFC card RW is connected to the operation unit,
- When a SDKJ application requiring authentication is set as the priority application and a user is not logged in, pressing the home key causes the "Previous operation has not finished" message to be displayed.
- The home screen does not transition to the default page after logging out.
- After the launcher reboots, application icons are not displayed on the home screen.
- The operation panel does not reboot normally after recovering from the sleep state.
- Nothing is displayed on the screen of the operation panel after switching the screen.
- You can not log in at once even if you hold the IC card while the device is in the sleep state.
- Full screen video is not displayed correctly in the Cheetah G2 browser.
- Fixed CVE-2014-3153.
- The center coordinates of the screen might be misaligned even after calibrating with "Touch Screen Adjust".
- System auto reset or auto logout occurs while using external input device (ex. keyboard,mouse).
- Job history might be displayed even if SP5-888 (Personal Information Protect) is enabled.
- Job history might be displayed even if SP5-888 (Personal Information Protect) is enabled.
- After returning from Energy Saver mode, when using the shortcut icon to access a site that displays the certificate warning dialog, the dialog is displayed briefly and Web Browser NX freezes.
- When the user interrupts during previewing the scanned document with using Web Browser NX based application and transits to another screen such as the Home screen, the web page is reloaded and user would then need to execute the scan job from the beginning.
- The machine might stall if the widgets reboot during a firmware update.

Other changes:

- When installing the Browser NX application from the Application Site, the required firmware can be checked and updated.
- Applications for the web browser can be downloaded from the Application Site.
- When a user with installation authority from the Application Site checks the details page of the new application notification, the notice will not be displayed on the operation panel.
- The period for the automatic update of applications has been extended.

Version 1.27.2

Rank C

The operation panel might stall when the SOP and the application settings are exported using the backup function.

Version 1.27

Rank C

Symptom corrected:

- Fixed CVE-2014-6024, CVE-2014-6025, CVE-2014-5524, CVE-2014-5525, CVE-2014-5526, CVE-2014-5528, CVE-2014-5529, CVE-2014-5971, CVE-2014-6645 and CVE-2014-4881.
- Fixed CVE-2016-3819, CVE-2016-3822, CVE-2016-0718, CVE-2016-3863, CVE-2016-6702, CVE-2016-6703, CVE-2015-1283 and CVE-2012-6702.
- The message, "Unfortunately, Settings2 has stopped", may appear and User Tools cannot be accessed if Cheetah firmware v1.24 or earlier is applied to the SOP with firmware v1.25 or v1.26.
- The following issues might occur on the machine when updating the package firmware:
 - Error 22 occurs when updating via ARFU.
 - E228 occurs when updating via SD card.
- The operation panel may stall at start up or after recovering from the energy saving mode.
- Minor changes were applied for the Japan domestic model only.
- The yellow mark might not be displayed on the 'Other Settings' icon even if one of the settings in 'Other Settings' is enabled.
- After starting Web Browser NX, Application Site cannot be started from Screen SP Mode and a "Please Wait" message will be displayed.

Other changes:

- Support for a new eMMC used in the SOP.
- The ICE icon is displayed by default in North American models.
- SOP and application setting is stored to HDD.
- Added the SmartSDK Interface for Kerberos authentication.
- Supported RICOH SmartSDK v2.50.
- Some of the Japanese terms used in the Fax application have been updated.

Version 1.26

Other changes:

Support for a new eMMC used in the SOP.

Version 1.25

Symptom corrected:

- When trying to log in to the device using Bluetooth in Smart Device Connector, the "Failed to find an operation panel which supports Bluetooth connection" error message might be displayed on the operation panel and login fails.
- FAX-related sounds can be set on machines without the FAX function.

Other changes:

- Supports Arabic

Version 1.24.1

Symptom corrected:

1. A bug of SmartSDK API was fixed.
2. Fixed CVE-2016-2507, CVE-2016-2508, CVE-2016-3861, and CVE-2016-3862.
3. SC998 may occur if the two situations below happen at the same time:
 - Machine goes into sleep mode from panel off.
 - Machine wakes up by the human detection sensor.
4. SC843-02 may occur.
5. An error message indicating the failure of part of the import may be

displayed when executing "Export" and "Import" on user tools with SOP version 1.21 or later.

6. The operation panel may become blurry and lines may appear, and then the machine automatically reboots.

Other changes:

1. Supported the Remote Panel Operation.
2. The following functions have been added and/or changed:
 - Applications which were not installed via the Application Site can now be updated via the Application Site.
 - Automatic update for applications is now available.
 - Application updates can be enabled or disabled.
 - Notification about new/updated applications can be enabled or disabled.
 - Region switching is now restricted.
 - Added Application Site support for China and Korea.
3. Added the function to set user usage restrictions for each application.
4. Added the new features for SmartSDK API

Version 1.23

Symptom corrected:

1. When the log-in dialog is not set to be displayed, the SDKJ application icon that is configured to conduct the application-specific authentication is not displayed on the home screen.
2. When a device is in Energy Save mode, the device operation panel will show the "Log in" screen after a user swipes an IC card. This issue occurs in the case that Streamline NX v2 or Card Authentication Package v2 is used as the authentication system.

Other Change:

3. Other changes: Supported RICOH SmartSDK v2.40.
4. Web Help function support for the following models:
 - MP C2004/C2504/C3004/C3504/C4504/C5504/C6004
 - MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

CheetahSystem 1.23(D2411425)
LegacyUI 1.16(D2411427S)
SimpleCopy 1.18(D2411443Q)
SimpleScan 1.14(D2411444Q)
SimpleFAX 1.13(D2411445N)
PrinterSJob 1.72(D2411446N)
SmartCopy 1.22.1(D2411454T)
SmartScan 1.14.1(D2411456Q)
SmartFAX 1.19.1(D2411457Q)
PrinterInfo 1.12(D2411458N)
HelpService 1.00(D2411471)

Please refer to the RTB(No.RD0AD001b) for details.

5. Network connection confirmation from SOP was changed not to take place when recovering from the sleep mode.

Version 1.22.2

Symptom corrected:

- SOP may unexpectedly reboot while entering sleep mode and may also be followed

by SC819/SC672.

- Executing [Device Setting Information: Export (Memory Storage Device)] causes applications such as Legacy, Simple application, etc. to appear on the screen.

Specification Changes:

- Trial applications that include restrictions on data availability and/or available models can be installed and have those restrictions controlled.

Version 1.21

Specification Changes:

- Adhering to the Talkback accessibility function in Android OS for visually impaired people, the API is modified.
- Trial applications that include restrictions on data availability and/or available models can be installed and have those restrictions controlled.

Other Changes:

- The design of the icon that represents "Print Side" and "Open Orientation" in the Detailed Settings of the fold type has been improved.
- Design of the "Reset" button has been modified.
- [SP C840DN/C842DN] Improved the parts replacement procedures provided in the user maintenance movie.

Version 1.20

Symptom corrected:

- Message "Card Authentication device are not connected." appears when hovering the IC authentication card over the card reader and the user is unable to log in.
- Cannot log in by hovering the NFC card over the card reader.
- Pressing the "Check" button at an error message on a machine set to FAX causes to start up the Legacy Fax, and on a machine set to Legacy, the Fax starts up.

Additional Model Information:

- New Model Supported.

Version 1.19

Specification Change:

- The icons used in the Fold options setting screen of the Copy application were improved.

Version 1.18

Specification Change:

1. Screen monitoring from Web Image Monitor is not possible for three seconds after the operation panel has been touched.
2. The following actions can be done via a remote session (SLNX etc.):
 - The Home button can be configured as a gear icon and can be set to be displayed or hidden and enabled or disabled. In addition the function shortcut key 1 can be configured to the Home icon.
 - A function shortcut key can be set to be displayed or hidden, be registered to an application, and have its application name changed.
 - An application icon can be added.

3. The application list button on the home screen can be configured to be displayed or hidden.

Symptom Corrected:

1. When uploading files to a web server via web applications, sometimes a failure occurs.
2. Through the "Master Key" vulnerability (CVE-2013-4787), devices does not properly check RICOH signatures for applications, which allows attackers to run arbitrary code via an application package (.apk) file.
3. The operation panel may remain blacked out and not recover from sleep mode.

Version 1.17.2

Symptom corrected:

When an application error occurs, "Check Status" might close unexpectedly when "Check" is pressed in the "Mach./Applic.stat" tab.

Version 1.17.1

Symptom Corrected:

- The NFC card reader may not respond.
- The screen may stall when running ARFU.
- The system may not wake up from the sleep mode when attempted to log in with the IC card.
- When an application error occurs, "Check Status" might close unexpectedly when "Check" is pressed in the "Mach./Applic.stat" tab.

Version 1.16.2

<Symptom corrected>

[MP C306Z/406Z] The Smart Operation Panel screen turns black just after the machine recovers from Energy Saver mode.

Version 1.15

(MP C306/MP C406 series does not support v1.15.)

Symptoms corrected

1. Update of package firmware via ARFU (Auto Remote Firmware Update) may fail.
2. Upload of scan data with Web BrowserNX may fail.

Version 1.13.1

Symptom corrected:

1. If a USB numeric keypad is connected, the machine cannot enter the sleep mode.
2. The Smart Operation Panel remains turned off and does not respond.
3. Cannot calibrate the Smart Operation Panel successfully.
4. When using certain user authentication applications, such as Nuance, printing cannot be conducted from Web Browser.

Version 1.12

Symptom corrected:

1. When a video is being played in full-screen mode in Web Browser, even if the Home button is pressed, the sound from the video continues to play.
2. After opting to save cookies in the message prompt that appears when initially starting up Web Browser NX, the Application Site cannot be opened.

Version 1.11

Specification Changes:

- Added the ability to control the number of beep sounds when logged in with the IC card.

Symptom Corrected:

- The machine may unexpectedly reboot when entering energy saver mode.
- An error may occur, if a machine setting is changed from WIM while in energy saver mode.
- If the device has CheetahSystem v1.09 and Legacy UI v1.01 installed, when installing an application by using an SD card, the Legacy UI firmware might be uninstalled or a part of the application might fail to be installed.
- Parts of application icons might not be displayed after executing SP5-761-001 to restore the default home screen settings.
- When launching Shared Folder Print, the application boot counter is displayed.
- When user code authentication is configured to be used in the Browser, some characters for "User Code" in the user code authentication pop-up dialog might not be displayed when Web Browser NX is launched.
- When Smart Device Connector is installed, it takes a shorter amount of time for the device to start up.
- [Only MP C306ZSP/C406ZSPF] Under the following conditions, Web Browser NX cannot be used:
 - The System/Copy firmware is v1.04 or older.
 - The CheetahSystem firmware is v1.09.
 - User authentication is not enabled or user code authentication is enabled.

Version 1.09

Specification change:

- The Home button can be configured as an application shortcut.

Symptom corrected:

- Numbers outside of the range of 1 and 255 can be entered as part of the server IP address or the client IP address in the "Wireless Direct" setting in "Screen Features".
- Webpages might not be displayed properly in the web browser when connected to a proxy server.
- When "Auto Dim Screen if it is Not Used For a White" is enabled in the "Brightness" setting, the brightness of the Smart Operation Panel remains dark if an IC card is used to log in.
- Devices that are connected to the Smart Operation Panel via Wireless Direct can communicate with each other.
- The licenses of applications that are installed via the Application Site cannot be renewed to reflect the new terms of validity.

- Hybrid applications can be installed by using an invalid product key via the Application Site.
- Warning message appears when activating iWnnIME.

Others:

- Security of user information was enhanced in the process of obtaining Smart Operation Panel logs.
- The default setting of iWnnIME was changed to ON.

Version 1.08
Support for the MP 402SPF.

Version 1.07.1
Symptom corrected:
Message "Unfortunately, Web Browser NX has stopped." may appear when turning off the main switch.

Version 1.06
Symptom corrected:

1. Under some conditions, the login screen may not be displayed on the device if SLNX installed.
2. Even though Quick Card Authentication is enabled, the legacy Copier, Quick Copy, or Copy application might appear on the operation panel after the device has been turned on.
3. Because of the timeout value when connecting to the server, applications might fail to install.
4. License information for Cheetah hybrid applications that are installed via the Application Site cannot be displayed correctly.
5. The user name is not displayed correctly when logging in to Web Image Monitor right after logging in to the Smart Operation Panel as a different user.
6. Preinstalled applications can be accidentally uninstalled from Web Image Monitor.
7. Under either of the following conditions, installing an application after updating the Zoo firmware via the Application Site will fail:
 - Installing a Cheetah native application when Java VM is disabled.
 - Installing a Cheetah hybrid application when Java VM is enabled.
8. When the device is in energy-saving mode, the device cannot be connected to via Wi-Fi Direct. When the device is transitioning to energy-saving mode, the Wi-Fi Direct connection will be disconnected.
9. The Cheetah operation panel may falsely detect a multi-touch.
10. Software version may not be displayed correctly.(ex: Ver.1.01 -> Ver. 1.1)
- 11 Supports Color Controller E-23C

Other changes:

1. If an NFC card reader is used, the user information for CAP V2 can be cached in the Smart Operation Panel memory.
2. The Billing Code function can be used on devices with CAP V2 installed.

Version 1.05.1

Symptom corrected:

1. Pop Noise occurs in the operation panel.
2. If the card is removed from the NFC card reader before log-in completes, an error occurs and the card is no longer read by the NFC card reader.
3. When a client device is connected to the Smart Operation Panel via Wi-Fi Direct, corporate LAN environments connected via the network interface of the MFP can be accessed if the following settings are configured:
 - Wi-Fi Direct: Set to "Enable" (default: Disable)
 - Port Forwarding: Set to "Enable" (default: Enable)
 - Interface Settings: Set to "Machine Network" (default: Machine Network)
 - Group Owner Mode: Set to "Enable" (default: Disable)

Please note that the Wi-Fi Direct and Group Owner Mode settings are set to "Enable" when using the RICOH Smart Device Connector.

Version 1.04

Symptom Corrected:

1. If an application has been repeatedly installed and uninstalled with Zoo, the application becomes unusable.
2. Message "Application installer does not respond" appears on the Software Version List displayed on the smart operation panel.
3. Cannot install application from the eDC server.

Other Changes:

Support of the constraint required for the Chinese model.

Version 1.03

Symptom Corrected:

Some of the wording in English was incorrect.

Version 1.00.2

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/05/23

[Program Name] SimpleCopy

[Version] 1.21

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411443T_forEDC

[File Information]

File Name D2411443T_forEDC.zip

File Type Module for Service

Size 2.20 MB (2311516 byte)

[Availability of RFU] No

[Production reflection] 2018/04

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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=====
[Modifications made:]

Rank C

Symptom corrected:

- The minimum and maximum settable values of a custom paper size for the paper feed are wrong if the unit of measurement is set to millimeters.

[Modification history]

Version 1.20

Symptom corrected:

The "Continue Printing" button might not work after pressing the "Stop" key while copying from the exposure glass.

Version 1.19

Other changes:

- Added the function to set user usage restrictions for each application.

Version 1.18

Other changes:

1. Web Help function support for the following models:

- MP C2004/C2504/C3004/C3504/C4504/C5504/C6004
- MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

CheetahSystem 1.23(D2411425)

LegacyUI 1.16(D2411427S)

SimpleCopy 1.18(D2411443Q)

SimpleScan 1.14(D2411444Q)

SimpleFAX 1.13(D2411445N)

PrinterSJob 1.72(D2411446N)

SmartCopy 1.22.1(D2411454T)

SmartScan 1.14.1(D2411456Q)

SmartFAX 1.19.1(D2411457Q)

PrinterInfo 1.12(D2411458N)

HelpService 1.00(D2411471)

Please refer to the RTB(No.RD0AD001b) for details.

2. Application usage data can be obtained via @Remote.

Version 1.17

Other Changes:

Design of the "Reset" button has been modified.

Version 1.16
Minor change.

Version 1.15
Minor change.

Version 1.13.1
Symptom corrected:
- Minor bug correction

Version 1.11
Symptom corrected:
Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Other changes:
- Minor changes to the UI.

Version 1.10
Support for the Support for the MP 402SPF.

Symptom corrected:
- Minor bug correction

Version 1.09
Symptom corrected:
- Minor bug correction

Version 1.08
Symptom corrected:
Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.07
Other changes:
Minor changes made to improve reliability.

Version 1.05
Symptom Corrected:
Some of the words are incorrect in several languages.

Version 1.04

Symptom Corrected:

Some of the wording in English was incorrect.

Version 1.03

1st Mass production

=====
*** Basic Information ***
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[Create date] 2018/05/22

[Program Name] SimpleScan

[Version] 1.16

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411444S_forEDC

[File Information]

File Name D2411444S_forEDC.zip

File Type Module for Service

Size 2.13 MB (2233826 byte)

[Availability of RFU] No

[Production reflection] 2018/05

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Other changes:

- Added the "OK" button to confirm the specified destination in Quick Scanner.

[Modification history]

Version 1.15

Other changes:

1. Job Counter is implemented.
2. Added the function to set user usage restrictions for each application.

Version 1.14

Other changes:

Web Help function support for the following models:

- MP C2004/C2504/C3004/C3504/C4504/C5504/C6004
- MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

CheetahSystem 1.23(D2411425)
LegacyUI 1.16(D2411427S)
SimpleCopy 1.18(D2411443Q)
SimpleScan 1.14(D2411444Q)
SimpleFAX 1.13(D2411445N)
PrinterSJob 1.72(D2411446N)
SmartCopy 1.22.1(D2411454T)
SmartScan 1.14.1(D2411456Q)
SmartFAX 1.19.1(D2411457Q)
PrinterInfo 1.12(D2411458N)
HelpService 1.00(D2411471)

Please refer to the RTB(No.RD0AD001b) for details.

Version 1.13

Other Changes:

Design of the "Reset" button has been modified.

Version 1.12

Symptom corrected:

When using Quick Card Authentication, Card Authentication Package v2,
or another MFP-based solution, the destination list displayed in
Quick Scanner might be lacking destinations.

Version 1.11

Symptoms corrected:

1. When the unit of measurement is changed from millimeters to inches and then the device is rebooted, if the height and width are the same value, an orientation is displayed when selecting "Program Size" in Quick Scanner.
2. When an error dialog is displayed in Quick Scanner, if the language is changed, the LED light that indicates scanning has failed will turn off.
3. When SP5-120-001 is set to "1" or "2" and the key counter is installed as the charge unit, if the key counter is canceled during scanning, the job reset button continues to be displayed on the operation panel.
4. When a folder or email is selected and then "Back" is pressed repeatedly in Quick Scanner, the application might close unexpectedly.
5. When the machine administrator logs in to the device and then the scanner journal is printed from the Scanner (Classic), the screen "Scanner journal is printing... Please wait" does not disappear when in Quick Scanner.
6. When a document is scanned and an error occurs in Quick Scanner, the "Finish Scan" button might be not displayed.
7. "Program Default" might not be displayed in Quick Scanner.

Version 1.10

Symptom Corrected:

1. If the Home button is pressed while in Quick Scanner and then the language is changed in the language widget, the message "Please wait" is displayed in the previous language when Quick Scanner is reopened.
2. When more than nine characters are entered on the "User Code Authentication" screen on the device, an alert sound does not warn about the invalid entry.
3. When the "Sent" button is pressed on preview screen and then a preview image is tapped several times in Quick Scanner, the message "Quick Scanner isn't responding. Do you want to close it?" might be displayed.
4. When a group that includes 500 email destinations is selected in Quick Scanner, email addresses that are listed in that group cannot be selected.
5. When registering a program name that has more than 40 characters, the keyboard input method will return to the default.
6. The measurements in inches shown in the message "Cannot scan the original using the ADF when the size is less than below. Place the original on the exposure glass." in Quick Scanner are different from those shown in the legacy Scanner application, which shows the correct measurements.

Other Changes:

- English in the UI has been improved.

Version 1.09

Symptom corrected:

1. When the scan to Email or folder is failed and then log out from the device, the indicator might remain lit.
2. When "Expand Group" is pressed on Smart Scanner and then "Expand Grope" is pressed again, the application will shut down.
3. During registering new addresses to the address book, if the user log out from the device, log on screen might not be displayed.
4. When the data in the address book is restored and then deploy a

- program on home screen and recall it, the message "You do not have the privileges to use this function" is displayed and beep the alert.
5. When power button is pressed during energy saving mode and then "Cancel" is pressed, the message "Connection with the machine has failed" is displayed.
 6. When "Device setting information" is imported to the device via Web Image Monitor or Device Manager NX, the programs regarding Quick and Smart Scanner will not be reflected.
 7. When the "Check" button is pressed in Smart Scanner, an error occurs.
 8. When the authentication method is changed from "User code" to "Basic", the device displays the "User code" entry screen in Smart Scanner.

Other Changes:

Clear button has been added on User Code Authentication screen for Smart Scanner.

Version 1.08

Other changes:

- Support for the MP C306Z and MP C406Z.

Before installing an application or updating to a new version, the CheetahSystem firmware needs to be updated to v1.09(D2411420K) or later.

Version 1.07

Symptom corrected:

1. When the message "The program has been deleted." is displayed and then "Exit" is pressed, the "Manage Program" screen is displayed for a few seconds.
2. When a specific size is configured in inches, there is a one-millimeter difference in the scanned data that is sent.
3. When the size that uses ADF is configured to a size that is smaller and unreadable in millimeters and then the unit of measurement is changed from millimeters to inches, the message "Cannot scan the original using the ADF when the size is less than below. Place the original on the exposure glass." is not displayed.
4. When Quick Scan is displayed after the TWAIN application is completed scanning, the message "Original is being scanned by another function." is displayed on the screen.
5. When Quick Scanner is configured as a priority application and then the device is turned on, the "Job Reset" button is displayed on the "User Code Authentication" screen.
6. When "Restrict Use of Destinations(Scanner)" is activated, in Quick Scanner, the "Manual Entry" tab is displayed.
7. When the preview screen continues to be displayed on the operation panel, the screen freezes or the operation panel is automatically rebooted.
8. When Quick Scanner is configured as a priority application and the device resumes operation from energy-saving mode, the counter for how many times the application has been opened does not increase.
9. When the device attempts to send some destinations in Quick Scanner and then "cancel sending" is pressed in Smart Scanner, an error is not

displayed on the screen.

Other Changes:

1. Some of the wording in several languages has been changed.

Version 1.06

Symptom corrected:

Applications can be uninstalled from Web Image Monitor.

Version 1.05

Symptom corrected:

1. When Quick Scanner is configured as a priority application and then the device resumes operation from energy-saving mode, the screen continues to display "Please wait".
2. When the message "Original is being scanned by another function" is shown on the screen and "Exit" is pressed, the screen does not display the home screen.
3. When using Windows authentication, if all of the data in the address book is deleted and then a program is recalled in Quick Scanner, the screen will be able to display destination information.
4. When the destination for Scan includes several hundred destinations and then the "Send" key is pressed while previewing the scan, the message "Scanner is in use by another function" is displayed on the screen.
5. When the "Start" button is pressed while the settings on the device are being changed in Web Image Monitor, an error appears in Japanese stating that an unspecified behavior has occurred.
6. When "600dpi" is selected as a resolution, the actual resolution that is set is "100dpi".
7. The actual wait time for scanning subsequent documents is shorter than the time configured in the settings.
8. Even if a document has not been scanned, "Set next original(s) and press the Start key. If none, press [Finish Scn]" might be displayed on the screen.
9. When the message "Original is being scanned by another function" is displayed on the screen and then the "Log Out" key is pressed, an unexpected message is displayed.
10. When a machine administrator logs in to the device and then Quick Scanner show "You do not have the privileges to use this function" and press "Exit", the screen continues to display "Please wait".
11. When "Original Setting" is displayed on the screen, the configured settings in Quick Scanner are reset.
12. When the device fails to send data after attempting to scan to both email and folder destinations, an error is not displayed on the screen.
13. Even if the setting permits using "Destination List is not DSM", the screen displays "This function is not available because a destination that is not DSM is not allowed to be used. Check the settings in Scanner Features".

14. When the time configured for "Scanner Auto Rest Time" has elapsed while a dialog is displayed, even after the dialog is closed, the screen will not automatically switch to the user code entry dialog.
15. When "Finish Scn" is pressed just before the specified time has elapsed while waiting for the next document to be scanned, the screen does not display a preview image.
16. Some of the wording is incorrect in several languages.

Other changes:

1. When the destination for Scan includes several hundred destinations and then the "Start" key is pressed, the message "Processing destination...Please wait for start scanning." is displayed on the screen.

Version 1.03

Symptom Corrected:

Some of the words are incorrect in several languages.

Version 1.02

Symptom Corrected:

Some of the wording in English was incorrect.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2017/08/04

[Program Name] SimpleFAX

[Version] 1.15

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411445Q_forEDC

[File Information]

File Name D2411445Q_forEDC.zip

File Type Module for Service

Size 1.98 MB (2079186 byte)

[Availability of RFU] No

[Production reflection] 2017/08

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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=====
[Modifications made:]

Other changes:

- Job Counter is implemented.

[Modification history]

Version 1.14

Other changes:

- Added the function to set user usage restrictions for each application.

Version 1.13

Other Change:

1. Web Help function support for the following models:

- MP C2004/C2504/C3004/C3504/C4504/C5504/C6004

- MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

- CheetahSystem 1.23(D2411425)

- LegacyUI 1.16(D2411427S)

- SimpleCopy 1.18(D2411443Q)

- SimpleScan 1.14(D2411444Q)

- SimpleFAX 1.13(D2411445N)

- PrinterSJob 1.72(D2411446N)

- SmartCopy 1.22.1(D2411454T)

- SmartScan 1.14.1(D2411456Q)

- SmartFAX 1.19.1(D2411457Q)

- PrinterInfo 1.12(D2411458N)

- HelpService 1.00(D2411471)

Please refer to the RTB(No.RD0AD001b) for details.

Version 1.12

Minor change.

Version 1.11

Minor change.

Version 1.10

Minor change.

Version 1.09

Minor change.

Version 1.08

Symptom corrected:

- Minor bug correction

Other changes:

- Support for the MP 402SPF and MP C306ZSP/C406ZSPF

Version 1.07

Symptom corrected:

- Minor bug correction

Version 1.06

Symptom corrected:

Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Others:

Support Color Controller E-23C.

Version 1.05

Other changes:

Minor changes made to improve reliability.

Version 1.03

Symptom Corrected:

Some of the words are incorrect in several languages.

Version 1.02

1st Mass production

Symptom Corrected:

Some of the wording in English was incorrect.

=====
*** Basic Information ***
=====

[Create date] 2018/06/05

[Program Name] PrinterSJob

[Version] 1.75

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411446R_forEDC

[File Information]

File Name D2411446R_forEDC.zip

File Type Module for Service

Size 1.27 MB (1329012 byte)

[Availability of RFU] No

[Production reflection] 2018/04

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- After switching the user or the display language, a black screen is displayed for a few seconds when opening Quick Print Release.

[Modification history]

Version 1.74

Other changes:

- Supports Arabic
- Job Counter is implemented

Version 1.73

Other changes:

- Added the function to set user usage restrictions for each application.

Version 1.72

Other Change:

1. Web Help function support for the following models:

- MP C2004/C2504/C3004/C3504/C4504/C5504/C6004
- MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

CheetahSystem 1.23(D2411425)

LegacyUI 1.16(D2411427S)

SimpleCopy 1.18(D2411443Q)

SimpleScan 1.14(D2411444Q)

SimpleFAX 1.13(D2411445N)

PrinterSJob 1.72(D2411446N)

SmartCopy 1.22.1(D2411454T)

SmartScan 1.14.1(D2411456Q)

SmartFAX 1.19.1(D2411457Q)

PrinterInfo 1.12(D2411458N)

HelpService 1.00(D2411471)

Please refer to the RTB(No.RD0AD001b) for details.

2. New Model Supported.

Version 1.63

Other Changes:

- The design of the icon that represents "Print Side" and "Open Orientation" in the Detailed Settings of the fold type has been improved.
- Design of the "Reset" button has been modified.

Version 1.60
Other changes:
- New Model Supported.

Symptom corrected:
- The Card Authentication Package product ID is used instead of the Quick Print Release product ID.

Version 1.59
Symptom corrected:
1. Even though 17 x 22 paper is set as the paper in the input tray, the Quick Print Release application displays it as "11 x 17".
2. After the Quick Print Release application automatically closes, the application screen might be blacked out when it is reopened.
3. Fixed: Printer Bit Switch #12-5 does not behave properly.
4. The Quick Print Release service might not be able to start after the device resumes operating from energy-saving mode.

Version 1.51
Minor change.

Version 1.46
Minor change.

Version 1.44
Minor change.

Version 1.29
Support for the MP 6503SP/MP 7503SP/MP 9003SP.
Support for the MP 402SPF.

Version 1.23
Symptom corrected:
Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.17
Other changes:
Minor changes made to improve reliability.
--

Support for the MP 501SPF/501SPFG/601SPF/601SPFG.

Version 1.09

Symptom Corrected:

1. Some of the words are incorrect in several languages.

2. Names of the applications are incorrect.

Version 1.05

Symptom Corrected:

Some of the wording in English was incorrect.

Version 1.03

1st Mass production

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Support for the MP 305+SP/SPF, MP C3004/MP C3504/MP C2004/MP C2504
and MP C4504/MP C5504/MP C6004.

=====
*** Basic Information ***
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[Create date] 2017/08/30

[Program Name] ICCardDispatcher

[Version] 2.12.06

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411450C_forEDC

[File Information]

File Name D2411450C_forEDC.zip

File Type Module for Service

Size 0.42 MB (444752 byte)

[Availability of RFU] No

[Production reflection] 2017/08

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Other changes:

- Changes that only affect Japanese models.

[Modification history]

Version 2.12.05

Other changes:

- New Domestic (Japan) Model Supported.

Version 2.12.05

Other changes:

Supported RICOH SmartSDK v2.40.

Version 2.12.04

Specification Changes:

- Added the ability to control the number of notification sounds on the authentication application side when an IC card is swiped.

--

New Model Supported

Version 2.12.04

Specification Changes:

- Added the ability to control the number of notification sounds on the authentication application side when an IC card is swiped.

Version 2.12.01

Specification Change:

- The previously packaged QuickCardAuth firmware was divided into five individual firmware.

[before]

QuickCardAuth

[after]

QuickCardAuth

ICCardDispatcher

NFCPlugin

USBCardPlugin

BLEPlugin

Symptom corrected:

- Applications can be uninstalled from Web Image Monitor.
- The operation panel does not light up even if the IC card is hovered over the NFC card reader.

=====
*** Basic Information ***
=====

[Create date] 2018/07/05

[Program Name] SmartCopy

[Version] 1.26

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411454Y_forEDC

[File Information]

File Name D2411454Y_forEDC.zip

File Type Module for Service

Size 6.10 MB (6397166 byte)

[Availability of RFU] No

[Production reflection] 2018/04

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- The copy application might operate more slowly if repeatedly transitioned to the initial setting.
- After restoring the address book, the data in "Recall Setting History" is overwritten instead of deleted under the following conditions:
 - "Recall Setting History" is set to ON.
 - The sending function has been used before in this application.
 - None of the normal series applications has been used after restarting the device.
- The minimum and maximum settable values of a custom paper size for the paper feed are wrong if the unit of measurement is set to millimeters.

[Modification history]

Version 1.25

Rank C

Symptom corrected:

- The yellow mark might not be displayed on the 'Other Settings' icon even if one of the settings in 'Other Settings' is enabled.

Version 1.24

Other changes:

- Supports Arabic

Version 1.23

Symptom corrected:

- If the Start button is pressed in the SmartCopy application on a machine connected with an external counter device (SP5-113-001: Optional Counter Type), the machine freezes with "Please wait." displayed on the operation panel screen.

Other changes:

- Improved the wording that appears in "Settings History."
- Added the function to set user usage restrictions for each application.

Version 1.22.1

Other changes:

1. Smart App icon settings can be moved around the UI.
2. Personalized settings can be recalled quickly through the

"Recall Setting History" function.

3. Web Help function support for the following models:

- MP C2004/C2504/C3004/C3504/C4504/C5504/C6004
- MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

CheetahSystem 1.23(D2411425)

LegacyUI 1.16(D2411427S)

SimpleCopy 1.18(D2411443Q)

SimpleScan 1.14(D2411444Q)

SimpleFAX 1.13(D2411445N)

PrinterSJob 1.72(D2411446N)

SmartCopy 1.22.1(D2411454T)

SmartScan 1.14.1(D2411456Q)

SmartFAX 1.19.1(D2411457Q)

PrinterInfo 1.12(D2411458N)

HelpService 1.00(D2411471)

Please refer to the RTB(No.RD0AD001b) for details.

4. Application usage data can be obtained via @Remote.

Version 1.21

Other Changes:

Design of the "Reset" button has been modified.

Version 1.20

Minor bug correction.

Version 1.19

Minor change.

Version 1.18

Other change:

Test Print function is newly added to SmartApps on high CPM models.

Version 1.17

Minor change.

Version 1.16

Other change:

Test Print function is newly added to SmartApps on high CPM models.

Version 1.14

Changes:

Support of SmartApps on high CPM models

Version 1.13

Support for the MP 402SPF

Version 1.12

Symptom corrected:

- Minor bug correction

Version 1.10

Other changes:

Minor changes made to improve reliability.

Version 1.08

Symptom Corrected:

1. Some of the words are incorrect in several languages.
2. Several application names were incorrect.
3. If operated with the count-down counter device connected, job may falsely be cancelled.

Other Changes:

Modified the contents and designs of certain screens for better usability.

Version 1.07

Symptom Corrected:

Some of the wording in English was incorrect.

Version 1.03

1st Mass production

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*** Basic Information ***
=====

[Create date] 2018/07/03

[Program Name] SmartScan

[Version] 1.17

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411456T_forEDC

[File Information]

File Name D2411456T_forEDC.zip

File Type Module for Service

Size 4.10 MB (4302162 byte)

[Availability of RFU] No

[Production reflection] 2018/05

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
=====

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[Modifications made:]

Rank C

Symptom corrected:

After restoring the address book, the data in "Recall Setting History" is overwritten instead of deleted under the following conditions:

- gRecall Setting History" is set to ON.
- The sending function has been used before in this application.
- None of the normal series applications has been used after restarting the device.

[Modification history]

Version 1.16

Other changes:

- Supports Arabic

Symptom corrected:

Some unchangeable setting items can be selected after scanning the original from the exposure glass while the machine is waiting for the next original.

Version 1.15

Other changes:

- Improved the wording that appears in "Settings History."
Application usage data can be obtained via @Remote.
- Added the function to set user usage restrictions for each application.

Version 1.14.1

Other changes:

1. Smart App icon settings can be moved around the UI.
2. Personalized settings can be recalled quickly through the "Recall Setting History" function.
3. Web Help function support for the following models:
 - MP C2004/C2504/C3004/C3504/C4504/C5504/C6004
 - MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

CheetahSystem 1.23(D2411425)
LegacyUI 1.16(D2411427S)
SimpleCopy 1.18(D2411443Q)
SimpleScan 1.14(D2411444Q)
SimpleFAX 1.13(D2411445N)
PrinterSJob 1.72(D2411446N)
SmartCopy 1.22.1(D2411454T)
SmartScan 1.14.1(D2411456Q)
SmartFAX 1.19.1(D2411457Q)
PrinterInfo 1.12(D2411458N)

HelpService 1.00(D2411471)
Please refer to the RTB(No.RD0AD001b) for details.

Version 1.13

Symptom corrected:

- After completing a scan operation using the Scanner application, the application may terminate abnormally.

Version 1.12

Other Changes:

Design of the "Reset" button has been modified.

Version 1.11

Minor change.

Version 1.10

Minor change.

Version 1.09

Minor change.

Version 1.08

Support for the MP 402SPF

Symptom corrected:

- Minor bug correction

Version 1.07

Symptom corrected:

- Minor bug correction

Version 1.06

Symptom corrected:

- Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.05

Other changes:

Minor changes made to improve reliability.

Version 1.03

Symptom Corrected:

1. Some of the words are incorrect in several languages.
2. Several application names were incorrect.

Other Changes:

Modified the contents and designs of certain screens for better usability.

Version 1.02

Symptom Corrected:

Some of the wording in English was incorrect.

Version 1.00

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/07/10

[Program Name] SmartFAX

[Version] 1.24

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411457W_forEDC

[File Information]

File Name D2411457W_forEDC.zip

File Type Module for Service

Size 3.84 MB (4030731 byte)

[Availability of RFU] No

[Production reflection] 2018/06

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Other changes:

An additional volume level can be added to the fax sound volume settings.

[Modification history]

Version 1.23

Rank C

Symptom corrected:

- After restoring the address book, the data in "Recall Setting History" is overwritten instead of deleted under the following conditions:
 - "Recall Setting History" is set to ON.
 - The sending function has been used before in this application.
 - None of the normal series applications has been used after restarting the device.
- Some functions are incorrectly displayed on the fax screen. For example, the fax stamp function is not displayed, and the specified time sending function, which is not available, is displayed on the screen.

Version 1.22

Rank C

Other changes:

- Some of the Japanese terms used in the Fax application have been updated.

Version 1.21

Other changes:

- Supports Arabic
- Job Counter is implemented.

Version 1.20

Other changes:

- Added the function to set user usage restrictions for each application.

Version 1.19.1

Other changes:

1. Smart App icon settings can be moved around the UI.
2. Personalized settings can be recalled quickly through the

"Recall Setting History" function.

3. Web Help function support for the following models:

- MP C2004/C2504/C3004/C3504/C4504/C5504/C6004
- MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

CheetahSystem 1.23(D2411425)

LegacyUI 1.16(D2411427S)

SimpleCopy 1.18(D2411443Q)

SimpleScan 1.14(D2411444Q)

SimpleFAX 1.13(D2411445N)

PrinterSJob 1.72(D2411446N)

SmartCopy 1.22.1(D2411454T)

SmartScan 1.14.1(D2411456Q)

SmartFAX 1.19.1(D2411457Q)

PrinterInfo 1.12(D2411458N)

HelpService 1.00(D2411471)

Please refer to the RTB(No.RD0AD001b) for details.

4. [MP305+SP/SPF]FAX received can be printed manually from the Bypass tray.

Version 1.18
Minor change.

Version 1.17
Minor change.

Version 1.16
Minor change.

Version 1.15
Minor change.

Version 1.14
Minor change.

Version 1.12
Symptom corrected:
- Minor bug correction

Version 1.11
Symptom corrected:
Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Others:

Support Color Controller E-23C.

Version 1.10

Other changes:

Minor changes made to improve reliability.

Version 1.08

Symptom Corrected:

1. Some of the words are incorrect in several languages.
2. Several application names were incorrect.

Other Changes:

Modified the contents and designs of certain screens for better usability.

Version 1.06

1st Mass production

Symptom Corrected:

Some of the wording in English was incorrect.

=====
*** Basic Information ***
=====

[Create date] 2017/08/04

[Program Name] PrinterInfo

[Version] 1.13

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411458P_forEDC

[File Information]

File Name D2411458P_forEDC.zip

File Type Module for Service

Size 1.04 MB (1085549 byte)

[Availability of RFU] No

[Production reflection] 2017/08

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*** Note ***
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[Note]

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*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====

[Modifications made:]

Other changes:

- Supports Arabic

[Modification history]

Version 1.12

Other Change:

1. Web Help function support for the following models:

- MP C2004/C2504/C3004/C3504/C4504/C5504/C6004

- MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

This firmware is dependent on the following firmwares:

CheetahSystem 1.23(D2411425)

LegacyUI 1.16(D2411427S)

SimpleCopy 1.18(D2411443Q)

SimpleScan 1.14(D2411444Q)

SimpleFAX 1.13(D2411445N)

PrinterSJob 1.72(D2411446N)

SmartCopy 1.22.1(D2411454T)

SmartScan 1.14.1(D2411456Q)

SmartFAX 1.19.1(D2411457Q)

PrinterInfo 1.12(D2411458N)

HelpService 1.00(D2411471)

Please refer to the RTB(No.RD0AD001b) for details.

Version 1.11

Other changes:

- New Model Supported.

Symptom corrected:

- When the Printer application is opened after the device resumes from sleep mode, the "Please wait" message might continue to be displayed on the operation panel.
- After the device is restarted, error messages might not be displayed even when an error occurs.
- The incorrect paper type might be displayed for Tray 1 after changing the display language of the operation panel.
- When trying to control jobs while a job is suspended, the printer might become unresponsive.
- When the display language is changed while controlling a job, the job might not be completed.

Version 1.10

Symptom corrected:

1. As soon as the Printer application is opened, if the "Home" button is pressed and then the "Printer" icon is pressed immediately after that, the "Job Operation" button might be unselectable.

2. After pressing the "Delete" button in the Job Operation window on the

operation panel, when the authentication screen appears, the authentication screen remains displayed even though the time configured in the "Printer Auto Reset Timer" has passed.

Other changes:

1. Some displayed wording that would appear in a language other than English or Japanese has been fixed.

Version 1.09
Minor change.

Version 1.08
Minor change.

Version 1.07
Minor change.

Version 1.06
Support for the MP 402SPF.

Version 1.05
Support for the MP 6503SP/MP 7503SP/MP 9003SP.

Version 1.04
Symptom corrected:
Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.03
Other changes:
Minor changes made to improve reliability.
--
Support for the MP 501SPF/501SPFG/601SPF/601SPFG.

Version 1.02
Symptom Corrected:
Several application names were incorrect.

Version 1.01

Symptom Corrected:

Some of the wording in English was incorrect.

Version 1.00

1st Mass production

--

Support for the MP 305+SP/SPF, MP C3004/MP C3504/MP C2004/MP C2504
and MP C4504/MP C5504/MP C6004.

=====
*** Basic Information ***
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[Create date] 2018/02/27

[Program Name] RemoteAssistant

[Version] 1.0.5

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411470A_forEDC

[File Information]

File Name D2411470A_forEDC.zip

File Type Module for Service

Size 9.51 MB (9973001 byte)

[Availability of RFU] No

[Production reflection] 2018/02

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
=====

=====
[Modifications made:]

Rank C

Other changes:

New model supported.

[Modification history]

Version 1.0.5

- Minor bug correction

- Initial release

=====
*** Basic Information ***
=====

[Create date] 2017/04/19

[Program Name] HelpService

[Version] 1.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411471_forEDC

[File Information]

File Name D2411471_forEDC.zip

File Type Module for Service

Size 0.20 MB (207162 byte)

[Production reflection] 2014/04

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
=====

[Modifications made:]

Other Change:

This is a new firmware for the Web Help function for the following models:

- MP C2004/C2504/C3004/C3504/C4504/C5504/C6004
- MP C2004ex/C2504ex/C3004ex/C3504ex/C4504ex/C5504ex/C6004ex

For this release to take effect, make sure to update the following as a set:

CheetahSystem 1.23(D2411425)

LegacyUI 1.16(D2411427S)

SimpleCopy 1.18(D2411443Q)

SimpleScan 1.14(D2411444Q)

SimpleFAX 1.13(D2411445N)

PrinterSJob 1.72(D2411446N)

SmartCopy 1.22.1(D2411454T)

SmartScan 1.14.1(D2411456Q)

SmartFAX 1.19.1(D2411457Q)

PrinterInfo 1.12(D2411458N)

HelpService 1.00(D2411471)

See RTB #RD0AD001b for detail.

[Modification history]

=====
*** Basic Information ***
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[Create date] 2017/08/01

[Program Name] SERVICE TOOL

[Version] 1.10

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] GJT-5001J

[File Information]

File Name GJT-5001J.exe

File Type Module for Service

Size 2.51 MB (2632803 byte)

Check Sum -8Bit Sum: EC3A

 -16Bit Sum(Little Endian): 07CE

 -16Bit Sum(Big Endian): 1E6C

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Other changes:

Minor changes.

[Modification history]

Version 1.09

Specification Changes:

- Support for 64 bit OS.
 - With this support, "GJ_AnalysisTOOL_64.exe" and "rc5man64.dll" are enclosed.
- Support for Windows Vista, Windows XP, and Windows 2000 terminated.

Others:

- Support for Haokan-P1.

Version 1.08

1. Updated to support new GelSprinter models Aficio SG 3120B SFNw/SG 7100DN.

2. The information of LL cartridge consumption has been added.

Version 1.08

1. New models SG 3100SNw/3110SFNw have been added.

2. Numbers 5.37 to 5.40 have been added for Low Yield ink cartridge consumption.

3. Minor bug correction

Version 1.07

Updated to support new GelSprinter models AficioSG3110DN/SG3110DNw/SG2100N.

Version 1.06

Specification change:

New ID chip information (No.15) of the waste ink tank has been added to the CSV file.

Version 1.05

Specification change:

ID chip information of the waste ink tank has been added to the CSV file.

Version 1.04

- 1) Updated to support a new model GelSprinter GX e2600.
- 2) Modified to output English CSV file only.
- 3) Some logging items have been added, e.g. NVRAM data, ID tip data of the waste ink tank.

Version 1.03

Updated to support new models, GX e3300N/GX e3350N/GX e5550N.

Version 1.02

Initial release

=====
*** Basic Information ***
=====

[Create date] 2017/11/30

[Program Name] QuickCardAuth

[Version] 2.12.04

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411468A_forEDC

[File Information]

File Name D2411468A_forEDC.zip

File Type Module for Service

Size 1.64 MB (1715796 byte)

[Availability of RFU] No

[Production reflection] 2017/07

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*** Note ***
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[Note]

=====
*** Important Notes ***
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[Important Notes]

=====
*** Modification History ***
=====

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[Modifications made:]

Other changes:

- New Domestic (Japan) Model Supported.

[Modification history]

Version 2.12.04

Other changes:

- New Model Supported.

Version 2.12.04

Specification Change

- Modified the API to adhere to the Talkback accessibility function in Android OS for visually impaired people.

Version 2.12.01

Additional model information:

- New Model Supported.

Symptom corrected:

- Applications can be uninstalled from Web Image Monitor.

Before installing or updating an application, the CheetahSystem firmware needs to be updated to v1.09 (D2411420K) or later.

=====
*** Basic Information ***
=====

[Create date] 2017/06/13

[Program Name] Font EXP

[Version] 1.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2415581

[File Information]

File Name D2415581.fwu

File Type Module for Service

Size 0.10 MB (103200 byte)

[File Information]

File Name D2415581.rfu

File Type Module for Remote Upgrade

Size 0.11 MB (110848 byte)

[Production reflection] 2015/03

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***

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[Modifications made:]

Other changes:

- New Model Supported.

[Modification history]

Version 1.00

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2018/05/25

[Program Name] MeidaPrtScn

[Version] 1.20

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411447T_forEDC

[File Information]

File Name D2411447T_forEDC.zip

File Type Module for Service

Size 3.70 MB (3883931 byte)

[Availability of RFU] No

[Production reflection] 2018/04

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
=====

=====

[Modifications made:]

Rank C

Symptom corrected:

- The minimum and maximum settable values of a custom paper size for the paper feed are wrong if the unit of measurement is set to millimeters.

[Modification history]

Version 1.19

Other changes:

- Supports Arabic

Version 1.18

Other Change:

- Job Counter is implemented.
- Added the function to set user usage restrictions for each application.

Version 1.17

Other changes:

- New Model Supported.
- The UI has been improved for multiple languages.
- Wording has been improved for multiple languages.
- The design of the icon that represents "Print Side" and "Open Orientation" in the Detailed Settings of the fold type has been improved.

Fixed:

- Error messages might briefly appear and then disappear.
- Users might be forcefully logged off while printing or previewing a print.
- The application might be aborted while trying to print via the bypass tray.
- The application might be unresponsive when many jobs via ADF are scanned.
- The memory storage cannot be unmounted while the software keyboard is displayed.
- The user code might be cleared when transitioning to the Home screen.
- The tray selection screen might occasionally blink.
- The paper size of the bypass tray set from a widget might not be applied to print jobs.
- After printing, the file selection screen is not displayed.
- System auto-reset might not function correctly.
- PDF files that have long, multibyte filenames might not be printed.
- minor bug fix

Version 1.16

Other Changes:

- The design of the icon that represents "Print Side" and "Open Orientation" in the Detailed Settings of the fold type has been improved.
- Design of the "Reset" button has been modified.

Version 1.15

Other changes:

- New Model Supported.

Version 1.14

Symptom corrected:

- In the "Selected File" tab, the "Preview" button and "Selected" button are active before a file is selected.
- The selected file might be printed even if it is deleted on the "Confirm File" screen.
- Even if the paper tray is removed, the amount of toner remaining might not be immediately reflected in "Select Tray" in the "Print Setting" tab.
- The default paper size might not be changed even if the paper size destination is changed.
- The application being used to print unexpectedly closes if a removable storage device is removed while printing a .jpeg file.
- When the unit of measurement is changed from millimeters to inches and then the device is rebooted, if the height and width are the same value, an orientation is displayed when selecting "Program Size" in Quick Scanner.

Other Changes:

- Added a description to the "Change Settings" button on the "Scan Settings" tab.
- Some displayed wording that would appear in a language other than English or Japanese has been fixed.

Version 1.13

New Model Supported

Version 1.12

Symptom corrected:

The application might close unexpectedly when on the "Print settings" screen.

Version 1.11

Minor change.

Version 1.10.2

Minor change.

Version 1.09
Minor change.

Version 1.08
Support for the MP 6503SP/MP 7503SP/MP 9003SP.
Support for the MP 402SPF.

Version 1.07
Symptom corrected:
Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.06
Other changes:
Minor changes made to improve reliability.
--
Support for the MP 501SPF/501SPFG/601SPF/601SPFG.

Version 1.05
Symptom Corrected:
1. Some of the words are incorrect in several languages.
2. Several application names were incorrect.

Other Changes:
Modified the contents and designs of certain screens for better usability.

Version 1.03
Symptom Corrected:
Some of the wording in English was incorrect.

Version 1.02
1st Mass production
--
Support for the MP 305+SP/SPF, MP C3004/MP C3504/MP C2004/MP C2504
and MP C4504/MP C5504/MP C6004.

=====
*** Basic Information ***
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[Create date] 2018/05/31

[Program Name] Application Site

[Version] 1.05.03

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411467L_forEDC

[File Information]

File Name D2411467L_forEDC.zip

File Type Module for Service

Size 0.66 MB (694142 byte)

[Availability of RFU] No

[Production reflection] 2018/05

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Other changes:

- When installing the Browser NX application from the Application Site, the required firmware can be checked and updated.
- Applications for the web browser can be downloaded from the Application Site.
- When a user with installation authority from the Application Site checks the details page of the new application notification, the notice will not be displayed on the operation panel.
- The period for the automatic update of applications has been extended.

[Modification history]

Version 1.05.02

Rank Z

Symptom corrected:

- Fixed a bug that occurs only in Japanese models.

Version 1.05.01

Other changes:

- The following functions have been added and/or changed:
 - Applications which were not installed via the Application Site can now be updated via the Application Site.
 - Automatic update for applications is now available.
 - Application updates can be enabled or disabled.
 - Notification about new/updated applications can be enabled or disabled.
 - Region switching is now restricted.
 - Added Application Site support for China and Korea.

Version 1.04.05

New Model Supported.

Specification Changes:

Corresponding to Application Site v1.1, the following modifications have been made:

- When first opening the Application Site, a caution message regarding the proxy settings is displayed.
- When a new or updatable application is available in the Application Site, messages are displayed in the widget and banner on the home screen.
- The eDC domain is tied to the region.
- When the Application Site is opened for the second time after

turning on the main power, the start-up time is improved by using the cache without reloading the site.

Symptom Corrected:

- A message about the Application Site closing is displayed when a setting error for the drum unit occurs and the front panel is closed after the drum unit has been set correctly.

Version 1.04.01

Symptom corrected:

- Improved the durability of the connection to the Application Site when under heavy network traffic by changing the timeout value and number of reconnection attempts.

Version 1.03.03

Symptom corrected:

When the message "To use this function an optional HDD is required." is displayed and the Close button is pressed in the dialog, the

Application Site unexpectedly closes. This symptom only occurs when Application Site v1.03.02 is used in conjunction with the following:

- GR-C2, MET-C2, Lef-C1, and Brz-MF1 with CheetahSystem firmware v1.06 or earlier installed.
- MO-C2 with CheetahSystem v1.05 or earlier installed.

Version 1.03.02

Specification change:

- When the Application Site is opened on devices that do not include an HDD, the message "To use this function an optional HDD is required." is displayed.

This firmware is only for the MP 402SPF.

Version 1.03.01

Additional model information:

- Support for the Model MP 6503SP/MP 7503SP/MP 9003SP.
- Support for the Model MP 402SPF.

Symptom corrected:

- Minor bug correction.

Version 1.02.02

Symptom corrected:

1. Preinstalled applications can be accidentally uninstalled from

Web Image Monitor.

2. When the Application Site is opened, an unspecified error is displayed if one of the following conditions is met:
 - A network setting, such as the IP address or DNS server, is not set correctly.
 - A proxy server setting on the device side is not set when the user attempts to connect to the Internet via the proxy server.
 - The device is not connected to a network.
3. When exporting the device settings to a storage device from System Settings, the Application Site force closes and the message "Unfortunately, Application Site has stopped." is displayed.

Version 1.02.00

[For Lef-C1/Mo-C2]

1st Mass production

Symptom Corrected:

Some of the wording in English was incorrect.

[For GR-C2_SOP]

Initial release

Specification Change:

After downloading this firmware the Application Site icon will be available.

[For All models]

Refer to RTB: RD196056 for the network configuration.

=====
*** Basic Information ***
=====

[Create date] 2017/07/07

[Program Name] ScanToME

[Version] 1.03

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411432E_forEDC

[File Information]

File Name D2411432E_forEDC.zip

File Type Module for Service

Size 3.45 MB (3618033 byte)

[Availability of RFU] No

[Production reflection] 2017/06

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

=====
*** Modification History ***
=====

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[Modifications made:]

Other Changes:

- New Model Supported.
- Job Counter is implemented.

[Modification history]

Version 1.02

Symptom corrected:

Preinstalled applications can be accidentally uninstalled from Web Image Monitor

Version 1.01

Symptom corrected:

1. On the home screen for Scan to Me, when the energy-saver mode button is pressed, the Smart Operation Panel does not turn off.
2. When "JPEG" is selected as the scan type on the help screen, the direction that the document is set might be changed.
3. Although a scan job is not conducted, the following dialog might be displayed: "Unfinished job exists. Press the Stop key to cancel scanning, or set original again and repeat the process."
4. When opening and then closing the paper settings screen, the settings configured in Scan to Me are reset to the factory default settings.
5. When scanning by using the exposure glass, the time limit for the waiting time for the next document(s) to be set is early by one second than the actual time.
6. On a device that has the Media Link Board option installed, when the capture function when scanning is enabled, if the "Finish Scanning" button is pressed while waiting for the next document(s) to scan after the first document has been scanned on the exposure glass, an unexpected error occurs.

Version 1.00

1st Mass production

=====
*** Basic Information ***
=====

[Create date] 2017/07/21

[Program Name] NFCPlugin

[Version] 2.12.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411452_forEDC

[File Information]

File Name D2411452_forEDC.zip

File Type Module for Service

Size 0.03 MB (36496 byte)

[Availability of RFU] No

[Production reflection] 2017/07

=====
*** Note ***
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[Note]

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*** Important Notes ***
=====

[Important Notes]

=====
*** Modification History ***
=====

=====
[Modifications made:]

Other changes:

- New Domestic (Japan) Model Supported.

[Modification history]

Version 2.12.00

Specification Change:

- The previously packaged QuickCardAuth firmware was divided into five individual firmware.

[before]

QuickCardAuth

[after]

QuickCardAuth

ICCardDispatcher

NFCPlugin

USBCardPlugin

BLEPlugin

Symptom corrected:

Applications can be uninstalled from Web Image Monitor.

Other changes:

New Model Supported.

=====
*** Basic Information ***
=====

[Create date] 2017/07/21

[Program Name] USBCardPlugin

[Version] 2.12.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411459_forEDC

[File Information]

File Name D2411459_forEDC.zip

File Type Module for Service

Size 0.04 MB (38694 byte)

[Availability of RFU] No

[Production reflection] 2017/07

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Other changes:

- New Domestic (Japan) Model Supported.

[Modification history]

Version 2.12.00

Specification Change:

- The previously packaged QuickCardAuth firmware was divided into five individual firmware.

[before]

QuickCardAuth

[after]

QuickCardAuth

ICCardDispatcher

NFCPlugin

USBCardPlugin

BLEPlugin

Symptom corrected:

Applications can be uninstalled from Web Image Monitor.

Other changes:

New Model Supported.

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*** Basic Information ***
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[Create date] 2017/08/31

[Program Name] Java VM v10 for eDC

[Version] 10.27.04

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D6405748A_edc

[File Information]

File Name D6405748A_edc.ifu

File Type Module for Service

Size 53.42 MB (56014660 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Symptom corrected:

- Startup may take a long time and SC998 may occur if Streamline NX and CAP v2 are installed.
- The SDK application icon might not be displayed after recovering from energy saving mode under the following conditions:
 - An SDK application is set as a priority function.
 - An SDK application is set as a function key.
- SC899-00 may occur if logging in from a keyboard.
- The server certificate for DSDK has been changed to RSA2048/SHA256 for security improvement purposes.
- If only IPv6 is enabled on the device, utility tools (e.g. Device Manager NX family or Streamline NX v3) will fail to install applications remotely.
- The following issues occur if any device certificate is imported using the Device Manager NX Enterprise Certificate Management Tool.
 - Device Manager NX Enterprise fails to retrieve the information about the application(s) installed on the device.
 - GlobalScan NX fails to apply profiles or retrieve device information when using the AdminTool.

[Modification history]

Version 10.26.01

Symptom Corrected:

1. After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
2. SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
 - Cannot log in.
 - Cannot scan.
 - Cannot print.
 - Error message appears.
3. When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
4. The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

Version 10.25.00

Symptom corrected:

- Sending fax from the document server using IPv4-mapped address may result in an error.

Version 10.24.01

Symptom corrected:

- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
- Machine may stall, if scanned from the contact glass with Size Setting disabled on the following models.
- MPC4502/5502, MPC3002/3502, MPC4002/5002
- SC637 may occur, if the machine is shut down while printing.
- Less than 128-bit encryption methods will be prohibited.
 - AP-P3 (M124, M125)
 - A1-P2 (M132)
 - K-C4 (D158, D159)

Version 10.23.01

Symptom corrected:

- The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.
- If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires.

Version 10.22.02

Symptom corrected:

- If an ESA application that uses Administrator Authentication Management, User Authentication Management, or Enhanced External Charge Unit Management (e.g. CAP v2, Streamline NX) stops during logout handling, the logout cannot be completed.

Version 10.21.03

Symptom corrected

- If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.
- In the case that Streamline NX is installed (with the PKI module) on the following models, authentication may not be performed.
 - MP CW2200

Version 10.20.05

Symptom corrected

1. In SLNX v2.3.0 or later, the printer accounting method will be changed to match the MFP specifications in SLNX.
2. When an ESA application is installed via Remote Install Manager, the heap size may be reset to the default size from the specified size.
3. When Java VM is updated via Remote Install Manager, the stack size may be reset to the default size from the specified size.
4. If the following is repeated, devices with CAP v2 installed will stall

or behave slowly.

- Log in to the device --> Switch to energy save mode --> Return from energy save mode

5. When an ESA application remains in an offline state such as an ESA application accesses the device HDD or entering SP mode, if the device switches to offline mode (such as when entering UP), the device may stall.

Version 10.19.00

Symptom corrected:

- In the case that "Allow" is selected for "Print jobs without user names" in a Streamline NX AAM-E device template, jobs sent directly from the host system to a device can be printed immediately even though the jobs do not contain user information.
- Less than 128-bit encryption methods will be prohibited.
 - AP-C3 (D143, D144)
 - AT-C3 (D111, D142)
 - Mo-C1 (D124)
 - MT-C5 (D131, D132, D133)
 - GR-C1 (D117, D118)
 - S-C5 (D127, D128)
 - AL-C2 (D129, D130)

Version 10.18.01

Symptom corrected:

- When using the scan function continuously on a device with Streamline NX or GS-NX is installed, a "Scanner is in use by another function" error may occur.
- If logout is performed immediately after logging in, logout refusal may not be performed correctly and the login user information may not be retrieved.
- SC997/998 may occur when changing ESA application or transitioning/recovering energy saver mode.
- If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.
- SC997 may occur after restarting the device when the ESA application is online-installed using Remote Install Manager and the ESA application is set as function priority.

Version 10.17.00

Error Correction

- This firmware was modified to support a new IC card reader/writer (PR-700), as production of the current it (PR-450) was discontinued.

Version 10.16.05

Fixed:

- If the ESA application is installed, HTTP communication may not be

performed correctly.

- Application switching might not be performed when Steamline NX or 3rd vendor application switches the normal application on the operation panel.
- When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen.
- When switching a language on the initial setting screen, if the initial setting screen is closed immediately, the display does not switch the language in the ESA application.

Version 10.15.00

Fixed:

1. SC899 may occur when the machine recovered from energy saver mode.
2. An unexpected screen may appear when a device with 9 or more ESA applications installed recovers from energy saver mode.

Version 10.14.02

Fixed:

- The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed.
- SDK/J summary may not be printed out when 13 or more ESA applications are installed.
- When a maximum custom paper size is specified during scanning in wideformats, the ESA application cannot retrieve the correct value.
- ESA application installation and uninstallation may take longer than expected in specific conditions.
- 4 line LCD devices do not enter Energy Saver Mode after specific operations.
- A Java VM internal process causes a change to the device's configured sleep timing.
- A Java VM remote update causes the device's Heap/Stack Size settings to reset to default values.

Version 10.13.06

Fixed:

1. The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode.
2. When an ESA application is closed by a user moving to the Home screen, the ESA application continues behaving as if it is displayed on the operation panel. As a result, the user cannot move to other applications because the screen is locked by the ESA application.
3. ESA application name is displayed in Japanese if the device language is not supported by the ESA application.
4. After performing a Java VM remote update process on the device, installed ESA applications show a "Stopped" status and do not restart automatically.
5. When a device failed to reboot after receiving a reboot request from a device management application, installed ESA applications

would not restart automatically and remained in "Stopped" status.

Version 10.12.02

Fixed:

1. SC997 may occur on a device during repeated entries and recoveries from energy saver mode.
2. Unnecessary temporary files remain after the remote installation of ESA applications.
3. The device freezes and displays "Please wait..." on the operation panel when the device receives a print job while in energy saver mode.
4. An application that doesn't have enhanced encryption may be installed to the device even though "Enhanced Encryption Strength" is turned ON to prohibit it.
5. Unable to display the device settings screen or Web Image Monitor because of internal process locks.
6. SC990 may occur when a device with a CAPv2 installation recovers from energy saver mode.
7. SC672-02 may occur when a device with a GlobalScan NX installation recovers from energy saver mode.
8. WVGA LP devices cannot display the Java TM Platform settings screen.
9. A Java VM internal processing may result in a failure of the device reboot, SC991 or SDK application stopped.

Version 10.11.02

Fixed:

1. Device reboot takes longer than is standard if the completion message displayed after importing "Device Setting Information" is not closed promptly.
2. Pop-up messages are displayed without message text if the message is displayed immediately after changing the device's language setting.
3. In rare conditions, SC899 or "Internal Error" might occur because of a Java VM bug.
4. The "Please wait..." screen is not closed when attempting to access a SDK application after recovering from energy saver mode.

Version 10.10.01

Fixed:

SC997 may occur when the device recovers from energy saver mode.

Version 10.09.00

Fixed:

Switching to ELP-NX v2 from another application may cause SC997 if switching is performed while a large number of jobs are being transmitted to the device.

Version 10.07.02

Fixed:

Kerberos Authentication is performed multiple times, causing a memory leak.

Version 10.06.02

Symptom corrected:

1. More internal resources are consumed than required during internal file open and close operations, such as SDK application installation. This could result in unexpected behavior.
2. CAP v1.4.7 or later doesn't start-up due to a bug in an internal process which affects the AL-C2(D129, D130), GR-C1(D117, D118) and S-C5(D127,D128).

Version 10.05.01

Symptom corrected:

1. An error occurs with the Auto Start-up feature of SDK/J applications.
2. The last page is not printed when attempting to print out certain PS data.
3. The user cannot obtain a login password.
4. The software keyboard used with an Xlet application does not close (cannot be cleared) when User Authentication is enabled.
5. The application's main screen cannot be displayed after the software keyboard is closed.
6. The Card Authentication Package (SDK/J application) does not recover following a failed machine reboot.
7. Cannot reboot/stop an Xlet application when the installation of the application is cancelled.
8. The SDK/J application cannot be activated after switching from off-line to on-line.
9. A log-out error occurs with certain SDK applications.
10. The FAX sender's name appears garbled if composed of multi-byte characters.
11. The platform does not reboot when the SDK heap is set to its maximum value.
12. Other minor corrections were applied.

Version 10.04.02

Symptom corrected:

1. SC899 occurs when a user swipes a card on the card reader while the device is in 'sleep' mode.
2. An "OutOfMemory" error occurs due to lack of device memory when some programs are running.
3. SDK application installation infrequently results in the disappearance of a previously installed SDK application if multiple embedded programs are installed.
4. Garbled characters can be included in the FAX "TSI" attribute if the fax is handled by the Java VM. This can cause unexpected results for SDK applications, such as file naming errors if using

the "TSI" attribute for naming metadata.

Version 10.03.01

Symptom corrected:

1. Even when the file type has been fixed at "PDF/A", other types of PDF files can be created.
2. User codes and names are not displayed in the Job Log for jobs that involve scanning or plotting using an SDJ/J application.
3. The area of the screen displayed behind a modal dialog responds to touch operations under the following conditions:
Modal dialog is displayed -> User changes the screen (e.g. Copier to Home screen) -> User returns to original screen with dialog
4. Cannot login following a series of repeated logins and logouts.
5. The stack size cannot be changed.
6. "OutOfMemoryException" occurs.
7. "StateMachine" cannot be stopped or canceled correctly.
8. A time-out occurs in Muffling mode.
9. Some of the login User IDs acquired by the application appear blank.
10. SC899 sometimes occurs at the conclusion of an SSL session.

Other changes:

1. Revised the wording of the error message displayed when the screen is unable to switch to another application using a requestVisibleXlet.
2. The threshold for triggering "Memory full" was changed.
3. Supports VM Card eDC-i1.2.

Version 10.02.00

Initial release for GR-C1(D117/D118) and S-C5(D127/D128).

Version 10.01.06

Initial release

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*** Basic Information ***
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[Create date] 2017/08/31

[Program Name] Java VM v10 UpdateTool

[Version] 10.27.04

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D6405748A_upd

[File Information]

File Name D6405748A_upd.exe

File Type Module for Service

Size 52.65 MB (55203590 byte)

Check Sum -8Bit Sum: A698

 -16Bit Sum(Little Endian): A4E2

 -16Bit Sum(Big Endian): 99B6

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Symptom corrected:

- Startup may take a long time and SC998 may occur if Streamline NX and CAP v2 are installed.
- The SDK application icon might not be displayed after recovering from energy saving mode under the following conditions:
 - An SDK application is set as a priority function.
 - An SDK application is set as a function key.
- SC899-00 may occur if logging in from a keyboard.
- The server certificate for DSDK has been changed to RSA2048/SHA256 for security improvement purposes.
- If only IPv6 is enabled on the device, utility tools (e.g. Device Manager NX family or Streamline NX v3) will fail to install applications remotely.
- The following issues occur if any device certificate is imported using the Device Manager NX Enterprise Certificate Management Tool.
 - Device Manager NX Enterprise fails to retrieve the information about the application(s) installed on the device.
 - GlobalScan NX fails to apply profiles or retrieve device information when using the AdminTool.

[Modification history]

Version 10.26.01

Symptom Corrected:

1. After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
2. SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
 - Cannot log in.
 - Cannot scan.
 - Cannot print.
 - Error message appears.
3. When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
4. The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

Version 10.25.00

Symptom corrected:

- Sending fax from the document server using IPv4-mapped address may

result in an error.

Version 10.24.01

Symptom corrected:

- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
- Machine may stall, if scanned from the contact glass with Size Setting disabled on the following models.
 - MPC4502/5502, MPC3002/3502, MPC4002/5002
- SC637 may occur, if the machine is shut down while printing.
- Less than 128-bit encryption methods will be prohibited.
 - AP-P3 (M124, M125)
 - AI-P2 (M132)
 - K-C4 (D158, D159)

Version 10.23.01

Symptom corrected:

- The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.
- If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires.

Version 10.22.02

Symptom corrected:

- If an ESA application that uses Administrator Authentication Management, User Authentication Management, or Enhanced External Charge Unit Management (e.g. CAP v2, Streamline NX) stops during logout handling, the logout cannot be completed.

Version 10.21.03

Symptom corrected:

- If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.
- In the case that Streamline NX is installed (with the PKI module) on the following models, authentication may not be performed.
 - MP CW2200

Version 10.20.05

Symptom corrected:

- In SLNX v2.3.0 or later, the printer accounting method will be changed to match the MFP specifications in SLNX.
- When an ESA application is installed via Remote Install Manager, the heap size may be reset to the default size from the specified

size.

- When Java VM is updated via Remote Install Manager, the stack size may be reset to the default size from the specified size.
- If the following is repeated, devices with CAP v2 installed will stall or behave slowly.
Log in to the device --> Switch to energy save mode --> Return from energy save mode
- When an ESA application remains in an offline state such as an ESA application accesses the device HDD or entering SP mode, if the device switches to offline mode (such as when entering UP), the device may stall.

Version 10.19.00

Symptom corrected:

- In the case that "Allow" is selected for "Print jobs without user names" in a Streamline NX AAM-E device template, jobs sent directly from the host system to a device can be printed immediately even though the jobs do not contain user information.
- Less than 128-bit encryption methods will be prohibited.
 - AP-C3 (D143, D144)
 - AT-C3 (D111, D142)
 - Mo-C1 (D124)
 - MT-C5 (D131, D132, D133)
 - GR-C1 (D117, D118)
 - S-C5 (D127, D128)
 - AL-C2 (D129, D130)

Version 10.18.01

Symptom corrected:

- When using the scan function continuously on a device with Streamline NX or GS-NX is installed, a "Scanner is in use by another function" error may occur.
- If logout is performed immediately after logging in, logout refusal may not be performed correctly and the login user information may not be retrieved.
- SC997/998 may occur when changing ESA application or transitioning/recovering energy saver mode.
- If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.
- SC997 may occur after restarting the device when the ESA application is online-installed using Remote Install Manager and the ESA application is set as function priority.

Version 10.17.00

Error Correction

- This firmware was modified to support a new IC card reader/writer (PR-700), as production of the current it (PR-450) was

discontinued.

Version 10.16.05

Fixed:

1. If the ESA application is installed, HTTP communication may not be performed correctly.
2. Application switching might not be performed when Steamline NX or 3rd vendor application switches the normal application on the operation panel.
3. When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen.
4. When switching a language on the initial setting screen, if the initial setting screen is closed immediately, the display does not switch the language in the ESA application.

Version 10.15.00

Fixed:

1. SC899 may occur when the machine recovered from energy saver mode.
2. An unexpected screen may appear when a device with 9 or more ESA applications installed recovers from energy saver mode.

Version 10.14.02

Fixed:

1. The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed.
2. SDK/J summary may not be printed out when 13 or more ESA applications are installed.
3. When a maximum custom paper size is specified during scanning in wideformats, the ESA application cannot retrieve the correct value.
4. ESA application installation and uninstallation may take longer than expected in specific conditions.
5. 4 line LCD devices do not enter Energy Saver Mode after specific operations.
6. A Java VM internal process causes a change to the device's configured sleep timing.
7. A Java VM remote update causes the device's Heap/Stack Size settings to reset to default values.

Version 10.13.06

Fixed:

1. The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode.
2. When an ESA application is closed by a user moving to the Home screen, the ESA application continues behaving as if it is displayed on the operation panel. As a result, the user cannot move to other applications because the screen is locked by the ESA application.
3. ESA application name is displayed in Japanese if the device

language is not supported by the ESA application.

4. After performing a Java VM remote update process on the device, installed ESA applications show a "Stopped" status and do not restart automatically.
5. When a device failed to reboot after receiving a reboot request from a device management application, installed ESA applications would not restart automatically and remained in "Stopped" status.
6. SC997 may occur on a device during repeated entries and recoveries from energy saver mode.
7. Unnecessary temporary files remain after the remote installation of ESA applications.
8. The device freezes and displays "Please wait..." on the operation panel when the device receives a print job while in energy saver mode.
9. An application that doesn't have enhanced encryption may be installed to the device even though "Enhanced Encryption Strength" is turned ON to prohibit it.
10. Unable to display the device settings screen or Web Image Monitor because of internal process locks.
11. SC990 may occur when a device with a CAPv2 installation recovers from energy saver mode.
12. SC672-02 may occur when a device with a GlobalScan NX installation recovers from energy saver mode.
13. A Java VM internal processing may result in a failure of the device reboot, SC991 or SDK application stopped.

Version 10.12.02

Fixed:

1. SC997 may occur on a device during repeated entries and recoveries from energy saver mode.
2. Unnecessary temporary files remain after the remote installation of ESA applications.
3. The device freezes and displays "Please wait..." on the operation panel when the device receives a print job while in energy saver mode.
4. An application that doesn't have enhanced encryption may be installed to the device even though "Enhanced Encryption Strength" is turned ON to prohibit it.
5. Unable to display the device settings screen or Web Image Monitor because of internal process locks.
6. SC990 may occur when a device with a CAPv2 installation recovers from energy saver mode.
7. SC672-02 may occur when a device with a GlobalScan NX installation recovers from energy saver mode.
8. WVGA LP devices cannot display the Java TM Platform settings screen.
9. A Java VM internal processing may result in a failure of the device reboot, SC991 or SDK application stopped.

Version 10.11.02

Fixed:

1. Device reboot takes longer than is standard if the completion message displayed after importing "Device Setting Information" is

- not closed promptly.
2. Pop-up messages are displayed without message text if the message is displayed immediately after changing the device's language setting.
 3. In rare conditions, SC899 or "Internal Error" might occur because of a Java VM bug.
 4. The "Please wait..." screen is not closed when attempting to access a SDK application after recovering from energy saver mode.
 5. Initial release for Model K-C4 (D158, D159)

Version 10.10.01

Fixed:

SC997 may occur when the device recovers from energy saver mode.

Version 10.09.00

Fixed:

Switching to ELP-NX v2 from another application may cause SC997 if switching is performed while a large number of jobs are being transmitted to the device.

Version 10.07.02

Fixed:

Kerberos Authentication is performed multiple times, causing a memory leak.

Version 10.06.02

Symptom corrected:

1. More internal resources are consumed than required during internal file open and close operations, such as SDK application installation. This could result in unexpected behavior.
2. CAP v1.4.7 or later doesn't start-up due to a bug in an internal process which affects the AL-C2(D129, D130), GR-C1(D117, D118) and S-C5(D127,D128).

Version 10.05.01

Symptom corrected:

1. An error occurs with the Auto Start-up feature of SDK/J applications.
2. The last page is not printed when attempting to print out certain PS data.
3. The user cannot obtain a login password.
4. The software keyboard used with an Xlet application does not close (cannot be cleared) when User Authentication is enabled.
5. The application's main screen cannot be displayed after the software keyboard is closed.
6. The Card Authentication Package (SDK/J application) does not recover following a failed machine reboot.
7. Cannot reboot/stop an Xlet application when the installation of the application is cancelled.

8. The SDK/J application cannot be activated after switching from off-line to on-line.
9. A log-out error occurs with certain SDK applications.
10. The FAX sender's name appears garbled if composed of multi-byte characters.
11. The platform does not reboot when the SDK heap is set to its maximum value.
12. Other minor corrections were applied.

Version 10.04.02

Symptom corrected:

1. SC899 occurs when a user swipes a card on the card reader while the device is in 'sleep' mode.
2. An "OutOfMemory" error occurs due to lack of device memory when some programs are running.
3. SDK application installation infrequently results in the disappearance of a previously installed SDK application if multiple embedded programs are installed.
4. Garbled characters can be included in the FAX "TSI" attribute if the fax is handled by the Java VM. This can cause unexpected results for SDK applications, such as file naming errors if using the "TSI" attribute for naming metadata.

Version 10.03.01

Symptom corrected:

1. Even when the file type has been fixed at "PDF/A", other types of PDF files can be created.
2. User codes and names are not displayed in the Job Log for jobs that involve scanning or plotting using an SDJ/J application.
3. The area of the screen displayed behind a modal dialog responds to touch operations under the following conditions:
Modal dialog is displayed -> User changes the screen (e.g. Copier to Home screen) -> User returns to original screen with dialog
4. Cannot login following a series of repeated logins and logouts.
5. The stack size cannot be changed.
6. "OutOfMemoryException" occurs.
7. "StateMachine" cannot be stopped or canceled correctly.
8. A time-out occurs in Muffling mode.
9. Some of the login User IDs acquired by the application appear blank.
10. SC899 sometimes occurs at the conclusion of an SSL session.

Other changes:

1. Revised the wording of the error message displayed when the screen is unable to switch to another application using a requestVisibleXlet.
2. The threshold for triggering "Memory full" was changed.
3. Supports VM Card eDC-i1.2.

Version 10.02.00

Initial release for GR-C1(D117/D118) and S-C5(D127/D128).

Version 10.01.06
Initial release

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*** Basic Information ***
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[Create date] 2017/11/17

[Program Name] Inserter_INSERTER

[Version] 01.060:03

[PCB No.] D7385110A

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D7385510C

[File Information]

File Name D7385510C.fwu

File Type Module for Service

Size 0.25 MB (262972 byte)

[Availability of RFU] No

[Production reflection] 2016/04

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Specification Change:

-Automatic detection of SRA3 size on EU machines-

When 12x18 inch or SRA3 is loaded on the tray of an EU machine, the size is automatically detected as SRA3 instead of 12x18.

Note: This automatic size detection will not apply to NA machines.

[Modification history]

Version 01.050:03

1st Mass production

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*** Basic Information ***
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[Create date] 2017/12/04

[Program Name] ADF_DF3090

[Version] 01.330:03

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D7795300L

[File Information]

File Name D7795300L.fwu

File Type Module for Service

Size 0.13 MB (131892 byte)

[Availability of RFU] No

[Production reflection] 2017/12

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Symptom corrected:

- Initial Jam 001 might occur if another document is fed into the ADF while a single-sided document is being scanned.

[Modification history]

Version 01.320:03

Other changes:

- The ON/OFF timing of the electromagnetic clutch was changed, to reduce the load on the drive motor.
- The range of detection of Jam 14: Skew Correction Sensor was changed, to reduce the occurrences of the jam.

Version 01.300:03

In the Administrator Tools tab in System Settings, "ADF operation:

Copier/Document Server: Silent Mode" was added as a new option for another model.

Version 01.290:03

Symptom corrected:

- JAM01 or JAM16 may occur when scanning thin originals.
- JAM14 may occur as a result of an unwanted delay in feeding out the last sheet of the original.
- Lifting up the ADF during initialization may cause JAM14 in the process following the initialization.

Version 01.200:03

Specification Change:

Minor change in the administrative update process; no changes operational wise.

Version 01.130:03

Version number changed for version management purposes (No program changes made).

Version 01.090:02

Symptom corrected:

1. SC620 may occur.

Other changes:

2. Improved accuracy of paper alignment at paper exit.

Version 01.060:02

Symptom corrected:

Supports scanning of A6 sized originals.

Version 01.060:02

Symptom corrected:

Supports scanning of A6 sized originals.

Version 01.050:01

1st Mass production

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*** Basic Information ***
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[Create date] 2017/10/31

[Program Name] Backup Tool

[Version] 1.7.1.0

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] Y0119100H

[File Information]

File Name Y0119100H.exe

File Type Module for Service

Size 4.23 MB (4434330 byte)

Check Sum -8Bit Sum: 887C

 -16Bit Sum(Little Endian): 6050

 -16Bit Sum(Big Endian): A42C

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

1) Additional Model Information

None.

2) Specification Changes

Able to obtain and display logs related to mercury bridge of Soleil P2.5 and Altair PJ2.

3) Error Corrections

None.

[Modification history]

Version 1.7.0.0

1) Additional Model Information

None.

2) Specification Changes

Able to obtain and display logs related to mercury bridge.

3) Error Corrections

None.

Version 1.6.0.0

1) Additional Model Information

The following projector is now supported: Soleil PJ2.5

2) Specification Changes

None.

3) Error Corrections

None.

Version 1.5.0.0

Additional Model Information:

- Altair PJ2 models have been added.

Specification Changes:

The following functions have been added or changed for Altair PJ2:

- Added functionality for obtaining service status information
(Service Status Tool).

- The tool automatically changes the projector's "Eco mode" settings
to "Active stand-by mode" so that the tool can be executed without
changing the setting in advance.

Version 1.4.0.0

Additional Supported Model:
Soleil-PJ2

Version 1.3.0.0

Specification Change:

Supports the Backup and Restore functions on the following versions
of Altair-PJ1 firmware:

Main: Ver.1008220400

Network USB: Ver.101300

ECO IO: Ver.101400

Version 1.2.0.0

Additional Model Information:

Support for the Altair-PJ1 was added.

Version 1.1.0.0

Initial release

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*** Basic Information ***
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[Create date] 2017/11/21

[Program Name] OptionSD FONT

[Version] 0.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D3BC5277

[File Information]

File Name D3BC5277.fwu

File Type Module for Service

Size 0.01 MB (2756 byte)

[File Information]

File Name D3BC5277.rfu

File Type Module for Remote Upgrade

Size 0.01 MB (8448 byte)

[Availability of RFU] Yes

[Production reflection] 1st Mass Production

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]
1st Mass production

[Modification history]

=====
*** Basic Information ***
=====

[Create date] 2018/07/24

[Program Name] CheetahSystem

[Version] 1.53

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1501442M

[File Information]

File Name D1501442M.zip

File Type Module for Service

Size 81.80 MB (85773013 byte)

[Availability of RFU] No

[Production reflection] 2018/08

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- Fixed CVE-2017-13077, CVE-2017-0781, CVE-2017-0785.
- Fixed CVE-2015-3832, CVE-2015-3834, CVE-2016-0837, CVE-2016-2417, CVE-2015-3836, CVE-2015-3874, and CVE-2017-14496.

[Modification history]

Version 1.52

Symptom corrected:

- Through the "Master Key" vulnerability (CVE-2013-4787), devices does not properly check RICOH signatures for applications, which allows attackers to run arbitrary code via an application package (.apk) file.

Version 1.51

Symptom corrected:

1. Configured settings in Quick Scanner might unexpectedly return to their factory defaults.
2. The "Start" button in Quick Scanner might unexpectedly be disabled.

Other changes:

Affected models: MP C2003/2503 Smart Operation panel models only

3. The banner message that appears when a tray ascend/descend error occurs was changed to indicate the tray.

For this release to take effect, make sure to update animation v.14.00 (D1765564D) or later as a set.

Version 1.50

Symptom corrected:

- Applications may disappear from the home screen, if logged on to a machine set with the custom authentication.
- The screen may suddenly black out while using the operation panel.

Other changes:

Applications for the smart operation panel can be installed, un-installed, and updated using Remote tools such as DMNX.

Version 1.49

Symptom corrected:

- Operation panel does not start up, if the machine was left unused for an extended period in energy saver mode.
- Keys on the preview screen become unresponsive, if repeatedly logged in to and logged out of the screen on the simple scanner application.
- If an address of a user registered with an authentication without a fax address is selected in the simple FAX application, the selection cannot be canceled.

- Cannot scroll the address list in the simple FAX application depending on the number of the addresses contained in the list.
- The operation panel may stall with the message "Please wait" displayed, if a non-legacy (classic) application is used for an extended period.
- The operation panel may stall with the message "Processing" displayed, if attempted to start up the on-demand print application.

Version 1.48

Symptom corrected:

- Through the Stagefright vulnerability (CVE-2015-1538), a malicious attack can be conducted when an infected video file on a USB memory drive, an SD card, or a website is played.
- Copy/Scanner/Fax show the state of jobs as being conducted immediately after the device is rebooted.
- Webpages might not be displayed properly in the web browser when connected to a proxy server.
- Operation panel stalls at the log in screen.

Others:

Security of user information was enhanced in the process of obtaining Smart Operation Panel logs.

Version 1.47

Symptom corrected:

The Cheetah operation panel may falsely detect a multi-touch.

Version 1.46

Error Correction:

When a client device is connected to the Smart Operation Panel via Wi-Fi Direct, corporate LAN environments connected via the network interface of the MFP can be accessed if the following settings are configured:

- Wi-Fi Direct: Set to "Enable" (default: Disable)
- Port Forwarding: Set to "Enable" (default: Enable)
- Interface Settings: Set to "Machine Network" (default: Machine Network)

Please note that the Wi-Fi Direct setting is set to "Enable" when using the RICOH Smart Device Connector.

Version 1.45

Symptom corrected:

- Login screen appears even if "Home Key Customization: Login Setting (SP5-074-002)" is set to "1(OFF)."
- Important: To apply this change, in addition to this firmware, you also need to update System/Copy firmware to the following

version or later.

MP C2003/C2503 : 2.15(D1765550T)

MP C3003/C3503 : 3.15(D1465575B)

MP C4503/C5503/C6003 : 3.16(D1485553C)

- Some touch panel coordinates are shifted.

Version 1.44

Symptom corrected:

Operation panel may stall, if it is kept ON for an extended period.

Version 1.43

Specification Change:

Alert message appears when attempted to download files that are not supported of the format, for example, PDF.

Symptom corrected:

Coordination of the touchscreen may shift.

Note that this firmware must be used in combination with Legacy UI version 1.29 or later.

Version 1.42

Specification Change:

More detailed logs can be collected.

Symptom corrected:

HDD may not be accessible with Smart Operation Panel immediately after rebooting the machine.

Version 1.41

Symptom corrected:

Security issues was resolved.

Version 1.40

Symptom corrected:

- Screen may flicker, if System Auto Reset is performed while displaying the preferred application.
- The operation panel remains blank and there is no response from the hard keys or touch panel following an RFU.

Version 1.39

Symptom corrected:

1. "Wi-Fi Direct" in the Wireless & Networks settings has been renamed to "Wireless Direct".
2. The SOP cannot recover from Energy Saver mode or cannot be used during the first two minutes after device start-up under the following conditions:
 - The Proxy settings are enabled on the SOP and,
 - The domain name (specified as a proxy server) cannot be resolved.

Version 1.38

Symptom corrected:

1. Users may access the app menu screen without Administrator privileges.
2. Apps may take a long time to be installed when the operation panel is connected via direct connection.
3. Files cannot be forwarded from SOP apps to external Web servers.

Version 1.37

Symptom corrected:

1. Network connection error may occur (e.g. Browser displays 'Web page not available') when an application attempts to connect to the network, if the screen start up mode is specified to 'quick' and the wireless & networks interface setting is specified to 'machine'.

Version 1.36

Symptom corrected:

- The screen turns black or does not change when the operator tries to switch to an SDK app.
- The Preferred screen returns to the Home screen following a VM firmware update if an SDK has been set as the preferred app.

Version 1.35

Symptom corrected:

1. The Copy Interrupt screen is not displayed when the Interrupt key is pressed.
2. [Android App]: An error occurs when trying to download the log data.
3. [Streamline NX] (SDK app): The priority app does not start up when the machine recovers from Energy Saver mode (the LUI and Launcher black screens appear in alternation).
4. [Streamline NX] (SDK app): The following occurs after logging out of Streamline NX:
 - A different SDK app is displayed and the user cannot switch over to another app, or
 - A different SDK app is displayed, followed by Streamline NX

Version 1.34

Symptom corrected:

1. [Operation Panel Browser]: Cannot print except when the language is set to English or Japanese.
2. [Operation Panel Browser]: Cannot print if the user logs in with a blank password.
3. Machine does not enter Energy Saver mode for a while after the user repeatedly logs in and logs out quickly.
4. The Home screen is displayed instead of the priority app when "Ubiquitech" has been set as the priority app, and the machine is awoken from Energy Saver

with a card login.

5. "Browser" appears on the settings screen if an app that uses the MFP browser's Favorites (RAC ICE, OSK or eValue) has been set as the priority app.
6. Operation panel freezes/stalls if the machine enters or recovers from Energy Saver mode during displaying the copy interrupt screen.
7. The login screen is not displayed after logging out of Stren.
8. No machine operations are possible following a cancelled login.
9. Cannot login if the timer sounds while the password login screen for password-embedded IC cards is being displayed.
10. Logout is possible when the logout lock is enabled.
11. The icon for the RIS app. is not displayed on the Home screen when logging in via Streamline NX.
12. Cannot login or logout if the user logs back in with an IC card just after logging out from the System Settings screen.
13. SC998 occurs when card authentication package is installed.
14. The Home screen for the Smart Operation panel is displayed if the machine is brought out of Energy Save mode just after it enters the mode via Streamline NX.
15. Cannot logout (only login button is displayed) if the Home key is pressed while the user signs in via a customized UI authentication app.
16. The operation panel stalls (screen turns black) if the machine is repeatedly put into and taken out of Energy Saver mode following a controller reboot in a customized authentication environment.
17. The machine stalls if the [Home] button is pressed just as the screen turns dark to transition to Energy Saver mode (following the pressing of the Streamline NX Energy Saver button).
18. Machine cannot enter Energy Saver mode while Streamline NX continues to operate.

Version 1.33

Symptom corrected

"Commencing forced shut-down" is displayed on the Smart Operation Panel when the machine is turned ON.

Version 1.32

Symptoms corrected:

1. Cannot return to Ready/stand-by mode from Sleep mode due to leakage current.
2. An error occurs when processing the SSID and password of a Wi-Fi direct network.
3. Cannot access NAT connection in quick recovery.
4. Icons do not show up after reconnection.
5. Incorrect user account access rights are sent to the SSDK application.

Other changes:

1. Supports Web application API V1.02.
2. Supports QR code applications
3. The WiFi channel was changed.
4. G1.5 system remote F/W update

Version 1.30

Symptom corrected:

- Printing from the browser (Smart Operation Panel) fails if the user has signed in with a multi-byte user ID and password.

- A user account without access rights to the browser may be displayed inside the authentication UI customized app as having these access rights ("Authorized for browsing").
- An error dialog is displayed and login is not possible if the user tries the login without a user name.

Other changes:

- Web application API V1.01
- Supports business signage apps for the Smart Operation Panel.

Version 1.29

Error Corrected

1. Garbled Chinese characters
2. Data-in LED turns is ON when the machine enters Energy Saver mode following a machine reboot.
3. Data-in LED turns ON when the engine reaches off status if the machine is rebooted (turned OFF/ON) during a job.
4. The machine does not recover from Energy Saver mode.
5. Translation errors in Russian.
6. Job Stop screen is not displayed when the Stop key is pressed while the user is logged out of Simple Copy mode.
7. The previous screen appears if the user logs out from the 'linkage failed' screen.
8. Display does not return to Home screen if the Home button is pressed right after the Job History tab is pressed.
9. Wording errors in several languages were corrected (Cloud FAX).
10. Stop key does not respond while the user is logged out.
11. LUI is displayed when a system reset is performed after completing import/export.
12. Display does not return to the Home screen if the Home key is pressed after the machine recovers from Sleep mode.

Version 1.28

Specification change:

- Added support for using external tools to install applications on the Smart Operation Panel.

Version 1.25

Symptom corrected:

1. Duplicates of the Printer, Scanner, and FAX icons appear when the main power is turned OFF/ON after the display language is changed.

Other changes:

2. The machine hard disk can now be used by applications displayed on the Smart Operation Panel.
IMPORTANT: To apply this change, update the System/Copy firmware to v3.00 (D1485550K/D1465550L) or later.

Version 1.24

Symptom corrected:

The Smart Operation Panel unit does not reach the Ready condition.

Other changes:

Some words in Portuguese have been revised in accordance with new spelling changes made to the Portuguese language.

Version 1.22

Symptom corrected:

1. The application icon does not respond after the machine reboots automatically after an SC.
2. The beep sound can still be heard even when the Warm-up Beeper setting (User Tools) is turned OFF.

Version 1.20

Symptom corrected:

1. Some touch panel coordinates are shifted.
2. The SC screen is not displayed and the Home key does not respond if an SC error occurs while the status confirmation screen is displayed.

Version 1.19

Symptom corrected:

- Usernames registered using simplified Chinese characters will appear garbled in the upper and lower banners after login.
- Minor bug correction

Version 1.17

1st Mass production

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*** Basic Information ***
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[Create date] 2017/12/27

[Program Name] LegacyUI

[Version] 1.32

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1501443V_forEDC

[File Information]

File Name D1501443V_forEDC.zip

File Type Module for Service

Size 11.34 MB (11889042 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- The "Previous operation has not finished" message is displayed after login and the application cannot be used.
- The SC codes of SC672 and SC819 are displayed on top of each other.

[Modification history]

Version 1.31

Symptom corrected:

Status check LED may turn off even when an error remains uncorrected.

Version 1.30

Other changes:

Applications for the smart operation panel can be installed, un-installed, and updated using Remote tools such as DMNX.

Version 1.29

Symptom corrected:

Coordination of the touchscreen may shift.

Note that this firmware must be used in combination with CheetahSystem version 1.43 or later.

Version 1.28

Symptom corrected:

SC672-11 may occur when continuously running print jobs.

Version 1.27

Symptom corrected:

A system auto-reset occurs while operations are being performed on the operation panel.

Version 1.26

Symptom corrected:

1. Cannot return to the Streamline NX login screen if the machine repeatedly enters and exits Energy Saver mode.
2. The screen will turn black if the user logs in via card authentication while the Streamline NX is in Energy Saver mode.

Version 1.25

Symptom corrected:

1. Screen freezes with the message "Please Wait" in legacy application after legacy UI data is updated.

Other changes:

2. Supports the SDK/J application priority setting.

Version 1.24

Symptom corrected

[Smart Operation Panel only]: The machine may not recover from Energy Saver mode.

Version 1.23

Other changes:

Deleted unnecessary function to print out event logs.

Version 1.22

Symptom collected

The display freezes if the machine is repeatedly put into and then recovered from Energy Saver mode from the Smart Operation Panel.

Version 1.21

Symptom corrected:

The icon for an SDK application disappears from the display when the machine recovers from Energy Saver mode.

Version 1.19

Other changes:

A touch screen function was added to the preview screen.

IMPORTANT: To apply the above change, in addition to this firmware, make sure to update the System/Copy firmware to Ver.2.24 or later and all applications that use this feature to the supported versions.

=====
*** Basic Information ***
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[Create date] 2018/07/26

[Program Name] CheetahSystem

[Version] 1.53

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) CHN(all)

[Firmware No.] D1501459M

[File Information]

File Name D1501459M.zip

File Type Module for Service

Size 82.84 MB (86866470 byte)

[Availability of RFU] No

[Production reflection] 2018/08

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- Fixed CVE-2017-13077,CVE-2017-0781,CVE-2017-0785.
- Fixed CVE-2015-3832, CVE-2015-3834, CVE-2016-0837, CVE-2016-2417, CVE-2015-3836, CVE-2015-3874, and CVE-2017-14496.

[Modification history]

Version 1.52

Symptom corrected:

- Through the "Master Key" vulnerability (CVE-2013-4787), devices does not properly check RICOH signatures for applications, which allows attackers to run arbitrary code via an application package (.apk) file.

Version 1.51

Symptom corrected:

1. Configured settings in Quick Scanner might unexpectedly return to their factory defaults.
2. The "Start" button in Quick Scanner might unexpectedly be disabled.

Other changes:

Affected models: MP C2003/2503 Smart Operation panel models only

3. The banner message that appears when a tray ascend/descend error occurs was changed to indicate the tray.

For this release to take effect, make sure to update animation v.14.00 (D1765564D) or later as a set.

Version 1.50

Symptom corrected:

- Applications may disappear from the home screen, if logged on to a machine set with the custom authentication.
- The screen may suddenly black out while using the operation panel.

Other changes:

Applications for the smart operation panel can be installed, un-installed, and updated using Remote tools such as DMNX.

Version 1.49

Symptom corrected:

- Operation panel does not start up, if the machine was left unused for an extended period in energy saver mode.
- Keys on the preview screen become unresponsive, if repeatedly logged in to and logged out of the screen on the simple scanner application.
- If an address of a user registered with an authentication without a fax address is selected

- in the simple FAX application, the selection cannot be canceled.
- Cannot scroll the address list in the simple FAX application depending on the number of the addresses contained in the list.
 - The operation panel may stall with the message "Please wait" displayed, if a non-legacy (classic) application is used for an extended period.
 - The operation panel may stall with the message "Processing" displayed, if attempted to start up the on-demand print application.

Version 1.48

Symptom corrected:

- Through the Stagefright vulnerability (CVE-2015-1538), a malicious attack can be conducted when an infected video file on a USB memory drive, an SD card, or a website is played.
- Copy/Scanner/Fax show the state of jobs as being conducted immediately after the device is rebooted.
- Webpages might not be displayed properly in the web browser when connected to a proxy server.
- Operation panel stalls at the log in screen.

Others:

Security of user information was enhanced in the process of obtaining Smart Operation Panel logs.

Version 1.47

Symptom corrected:

The Cheetah operation panel may falsely detect a multi-touch.

Version 1.46

Error Correction:

When a client device is connected to the Smart Operation Panel via Wi-Fi Direct, corporate LAN environments connected via the network interface of the MFP can be accessed if the following settings are configured:

- Wi-Fi Direct: Set to "Enable" (default: Disable)
- Port Forwarding: Set to "Enable" (default: Enable)
- Interface Settings: Set to "Machine Network" (default: Machine Network)

Please note that the Wi-Fi Direct setting is set to "Enable" when using the RICOH Smart Device Connector.

Version 1.45

Symptom corrected:

- Login screen appears even if "Home Key Customization: Login Setting (SP5-074-002)" is set to "1(OFF)."
- Important: To apply this change, in addition to this firmware,

you also need to update System/Copy firmware to the following version or later.

MP C2003/C2503 : 2.15(D1765550T)

MP C3003/C3503 : 3.15(D1465575B)

MP C4503/C5503/C6003 : 3.16(D1485553C)

- Some touch panel coordinates are shifted.

Version 1.44

Symptom corrected:

Operation panel may stall, if it is kept ON for an extended period.

Version 1.43

Specification Change:

Alert message appears when attempted to download files that are not supported of the format, for example, PDF.

Symptom corrected:

Coordination of the touchscreen may shift.

Note that this firmware must be used in combination with Legacy UI version 1.29 or later.

Version 1.42

Specification Change:

More detailed logs can be collected.

Symptom corrected:

HDD may not be accessible with Smart Operation Panel immediately after rebooting the machine.

Version 1.41

Symptom corrected:

Security issues was resolved.

Version 1.40

Symptom corrected:

- Screen may flicker, if System Auto Reset is performed while displaying the preferred application.
- The operation panel remains blank and there is no response from the hard keys or touch panel following an RFU.

Version 1.39

Symptom corrected:

1. "Wi-Fi Direct" in the Wireless & Networks settings has been renamed to

"Wireless Direct".

2. The SOP cannot recover from Energy Saver mode or cannot be used during the first two minutes after device start-up under the following conditions:
 - The Proxy settings are enabled on the SOP and,
 - The domain name (specified as a proxy server) cannot be resolved.

Version 1.38

Symptom corrected:

1. Users may access the app menu screen without Administrator privileges.
2. Apps may take a long time to be installed when the operation panel is connected via direct connection.
3. Files cannot be forwarded from SOP apps to external Web servers.

Version 1.37

Symptom corrected:

1. Network connection error may occur (e.g. Browser displays 'Web page not available') when an application attempts to connect to the network, if the screen start up mode is specified to 'quick' and the wireless & networks interface setting is specified to 'machine'.

Version 1.36

Symptom corrected:

- The screen turns black or does not change when the operator tries to switch to an SDK app.
- The Preferred screen returns to the Home screen following a VM firmware update if an SDK has been set as the preferred app.

Version 1.35

Symptom corrected:

1. The Copy Interrupt screen is not displayed when the Interrupt key is pressed.
2. [Android App]: An error occurs when trying to download the log data.
3. [Streamline NX] (SDK app): The priority app does not start up when the machine recovers from Energy Saver mode (the LUI and Launcher black screens appear in alternation).
4. [Streamline NX] (SDK app): The following occurs after logging out of Streamline NX:
 - A different SDK app is displayed and the user cannot switch over to another app, or
 - A different SDK app is displayed, followed by Streamline NX

Version 1.34

Symptom corrected:

1. [Operation Panel Browser]: Cannot print except when the language is set to English or Japanese.
2. [Operation Panel Browser]: Cannot print if the user logs in with a blank password.
3. Machine does not enter Energy Saver mode for a while after the user repeatedly logs in and logs out quickly.
4. The Home screen is displayed instead of the priority app when "Ubiquitech" has been set as the priority app, and the machine is awoken from Energy Saver with a card login.
5. "Browser" appears on the settings screen if an app that uses the MFP browser's

- Favorites (RAC ICE, OSK or eValue) has been set as the priority app.
6. Operation panel freezes/stalls if the machine enters or recovers from Energy Saver mode during displaying the copy interrupt screen.
 7. The login screen is not displayed after logging out of Stren.
 8. No machine operations are possible following a cancelled login.
 9. Cannot login if the timer sounds while the password login screen for password-embedded IC cards is being displayed.
 10. Logout is possible when the logout lock is enabled.
 11. The icon for the RIS app. is not displayed on the Home screen when logging in via Streamline NX.
 12. Cannot login or logout if the user logs back in with an IC card just after logging out from the System Settings screen.
 13. SC998 occurs when card authentication package is installed.
 14. The Home screen for the Smart Operation panel is displayed if the machine is brought out of Energy Save mode just after it enters the mode via Streamline NX.
 15. Cannot logout (only login button is displayed) if the Home key is pressed while the user signs in via a customized UI authentication app.
 16. The operation panel stalls (screen turns black) if the machine is repeatedly put into and taken out of Energy Saver mode following a controller reboot in a customized authentication environment.
 17. The machine stalls if the [Home] button is pressed just as the screen turns dark to transition to Energy Saver mode (following the pressing of the Streamline NX Energy Saver button).
 18. Machine cannot enter Energy Saver mode while Streamline NX continues to operate.

Version 1.33

Symptom corrected

"Commencing forced shut-down" is displayed on the Smart Operation Panel when the machine is turned ON.

Version 1.32

Symptoms corrected:

1. Cannot return to Ready/stand-by mode from Sleep mode due to leakage current.
2. An error occurs when processing the SSID and password of a Wi-Fi direct network.
3. Cannot access NAT connection in quick recovery.
4. Icons do not show up after reconnection.
5. Incorrect user account access rights are sent to the SSDK application.

Other changes:

1. Supports Web application API V1.02.
2. Supports QR code applications
3. The WiFi channel was changed.
4. G1.5 system remote F/W update

Version 1.30

Symptom corrected:

1. Printing from the browser (Smart Operation Panel) fails if the user has signed in with a multi-byte user ID and password.
2. A user account without access rights to the browser may be displayed inside the authentication UI customized app as having these access rights ("Authorized for browsing").

3. An error dialog is displayed and login is not possible if the user tries the login without a user name.

Other changes:

1. Web application API V1.01
2. Supports business signage apps for the Smart Operation Panel.

Version 1.29

Error Corrected:

1. Garbled Chinese characters
2. Data-in LED turns ON when the machine enters Energy Saver mode following a machine reboot.
3. Data-in LED turns ON when the engine reaches off status if the machine is rebooted (turned OFF/ON) during a job.
4. The machine does not recover from Energy Saver mode.
5. Translation errors in Russian.
6. Job Stop screen is not displayed when the Stop key is pressed while the user is logged out of Simple Copy mode.
7. The previous screen appears if the user logs out from the 'linkage failed' screen.
8. Display does not return to Home screen if the Home button is pressed right after the Job History tab is pressed.
9. Wording errors in several languages were corrected (Cloud FAX).
10. Stop key does not respond while the user is logged out.
11. LUI is displayed when a system reset is performed after completing import/export.
12. Display does not return to the Home screen if the Home key is pressed after the machine recovers from Sleep mode.

Version 1.28

Other changes:

- Added support for using external tools to install applications on the Smart Operation Panel.

Version 1.25

Symptom corrected:

1. Duplicates of the Printer, Scanner, and FAX icons appear when the main power is turned OFF/ON after the display language is changed.

Other changes:

2. The machine hard disk can now be used by applications displayed on the Smart Operation Panel.
IMPORTANT: To apply this change, update the System/Copy firmware to v3.00 (D1485550K/D1465550L) or later.

Version 1.24

Symptom corrected:

The Smart Operation Panel unit does not reach the Ready condition.

Other changes:

Some words in Portuguese have been revised in accordance with new spelling changes made to the Portuguese language.

Version 1.22

Symptom corrected:

1. The application icon does not respond after the machine reboots automatically after an SC.
2. The beep sound can still be heard even when the Warm-up Beeper setting (User Tools) is turned OFF.

Important:

These firmware changes only apply to the China (CHN) model (only this model is supported).

Version 1.21

Symptom corrected:

1. The browser displays the page that was last viewed in the previous session if the user opens the default browser after another has logged out, or after the machine has auto-reset itself.
2. The display language is changed but the name of the ESA application remains displayed in the first language.

Important:

The above changes apply only to the CHN model.

Version 1.20

Symptom corrected:

1. Some touch panel coordinates are shifted.
2. The SC screen is not displayed and the Home key does not respond if an SC error occurs while the status confirmation screen is displayed.

Version 1.19

Symptom corrected:

- Usernames registered using simplified Chinese characters will appear garbled in the upper and lower banners after login.
 - Minor bug correction
-

Version 1.17cn

1st Mass production

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*** Basic Information ***
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[Create date] 2018/06/29

[Program Name] KerberosService

[Version] 1.02.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2411430A_forEDC

[File Information]

File Name D2411430A_forEDC.zip

File Type Module for Service

Size 2.15 MB (2252932 byte)

[Availability of RFU] No

[Production reflection] 2018/05

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Other changes:

- SmartSDK now supports the GSS-API.

[Modification history]

Version 1.00.00

Rank D

Initial release

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*** Basic Information ***
=====

[Create date] 2018/03/01

[Program Name] FW Upgrader

[Version] 12.6

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] Y0185511B

[File Information]

File Name Y0185511B.exe

File Type Module for Service

Size 49.29 MB (51682955 byte)

Check Sum -8Bit Sum: 5A50

 -16Bit Sum(Little Endian): 03D2

 -16Bit Sum(Big Endian): A67E

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

DLP Composer Lite 12.6 version upgrade.

[Modification history]

Version 12.6

Additional models supported:

- Hadar-PJ1 CWU, Hadar-PJ1 CX

Removed support for the following models:

- Antares-PJ1 cs, Antares-PJ1 cw, Antares-PJ1 cx, Rigel-PJ1 cwH,
Rigel-PJ1 cwL, Rigel-PJ1 cxL

Version 12.6

Firmware modified to support the DDP 442X.

Additional Supported Model:

Polaris-PJ1/ Mizar-PJ1/Polaris-PJ1 csi/Mizar-PJ1 HD/Mimosa-PJ1

Version 10.3

NOTE:

1. There is no functional difference between this version (v10.3) and the previous version, v9.2. This version was released in accordance with the modification made to the DLP Composer (which is not released).
2. The FlashDeviceParameters.txt text file is provided as an attachment to this firmware release.

Version 9.2

Initial release

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*** Basic Information ***
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[Create date] 2018/08/09

[Program Name] Remote Panel Operation

[Version] 1.1

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1961458B_forEDC

[File Information]

File Name D1961458B_forEDC.zip

File Type Module for Service

Size 1.81 MB (1895194 byte)

[Availability of RFU] No

[Production reflection] 2018/08

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]
Rank D

Initial release

[Modification history]

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*** Basic Information ***
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[Create date] 2018/09/18

[Program Name] Printer

[Version] 1.06

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D7015701G

[File Information]

File Name D7015701G.fwu

File Type Module for Service

Size 3.52 MB (3690128 byte)

[File Information]

File Name D7015701G.rfu

File Type Module for Remote Upgrade

Size 3.52 MB (3694848 byte)

[Availability of RFU] Yes

[Production reflection] 2018/09

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- An SC899 error might occur when the RHPP port (port 59100) receives specific data.

[Modification history]

Version 1.05

Other changes:

Support for the Portuguese orthography.

Symptom corrected:

Under all of the following conditions, paper is fed from the device trays even though the paper feed tray setting in the driver is set to the bypass tray:

- The "Tray Setting Priority" of the bypass tray is "Driver/Command".
- The "Paper Confirmation for Bypass Tray Display" setting is "Display".
- The "Tray Switching" setting is "On".
- The paper size and paper type set on the device matches to the setting configured on the driver is selected.

Version 1.04

Symptom corrected:

- If the "Store and Skip Errored Jobs" function is enabled on a printer that has an HDD installed and a job is sent to the printer while the device is in sleep mode, the job will be changed to a hold job instead of printing.

Version 1.03

Symptom corrected:

1. The printer might stall when one of the following is performed:
 - Printing without storing jobs that contain exclusions when using the "Card Authentication Package V2", "Enhanced Locked Print NX V2", "Card Authentication Package Enterprise Server V2", or "Enhanced Locked Print NX Flex Server V2" setting.
 - Printing a webpage from the browser on the operation panel.
2. When an A4-size document is printed from the bypass tray while the printer is in Low Power Mode, the setting "Paper Confirmation for Bypass Tray" is configured to "Display", and A4 paper is set to LEF in the bypass tray, a paper jam occurs.
3. The Compulsory Security Stamp is not printed under the following conditions:
 - "Compulsory Security Stamp: Printer" is enabled in the Administrator Tools of System Settings.
 - The printer displays one of the following languages: Simplified Chinese, Traditional Chinese, Korean, Thai, Hebrew, Arabic, or Turkish. (GFPR#RA13100005)

Version 1.02

Symptom corrected:

Job sent to a device is cancelled when using the operation panel to specify the Unauthorized Copy Prevention option after setting the language to Japanese.

Version 1.01

Symptom corrected:

1. The Compulsory Security Stamp either does not print correctly or is might be missing from printouts when printing.
2. When printing from a removable storage device while the machine's Data In LED light is blinking, if printing from the removable storage device is canceled, then subsequent jobs are unable to print.
3. When printing a gzip file, print jobs might be reset. If that occurs, the message "Compressed Data Error." will appear on the display.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2018/09/18

[Program Name] PCL

[Version] 1.09

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D7015706J

[File Information]

File Name D7015706J.fwu

File Type Module for Service

Size 1.32 MB (1388588 byte)

[File Information]

File Name D7015706J.rfu

File Type Module for Remote Upgrade

Size 1.33 MB (1396992 byte)

[Availability of RFU] Yes

[Production reflection] 2018/09

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- Some Arabic characters might be missing if the TrueType font is included in the job.
- An SC899 error occurs when using the PCL6 driver to print a PDF from the Reader application in Windows 8.1. (GFPR#RA15050002)
- The image quality output from PCL5 data might be poor if the image was created by using certain applications, such as RICOH ProcessDirector. (GFPR#RE15030034)

[Modification history]

Version 1.08

Symptom corrected:

- Printing might be slow when a spreadsheet containing many cells with patterns that are different from the default pattern in the following setting is printed from Microsoft Excel 2013: Select "Format Cell", select the "Fill" tab, and change the "Pattern Style" setting
- PDF file may not be printed via direct print if the PDF file contains True Type fonts.

Version 1.07

Symptom corrected:

- When "Unauthorized Copy Prevention Printing: Printer" is enabled, an error might occur, causing the job to be cancelled.

Other changes:

- Support for the Portuguese orthography.

Version 1.06

Symptom corrected:

1. Using a bitmap font might result in jobs being cancelled. (GFPR#RE13100030)
2. When printing an N-up PCL6 job by using a printer driver that is for Windows 8 or a later Windows operating system, some characters are missing.
3. If a raster image is specified in the PCL6 driver to be reduced, be enlarged, or undergo N-up printing, unexpected white lines might appear in the printout. (GFPR#RA14080005, GFPR#RA14110005)

Version 1.05

Symptom corrected:

1. When printing a PCL5 host-printing job in which 32,000 or more of the fill patterns are specified, the device will stall.
2. If a PCL5 job is printed under certain conditions related to the font header information when using host printing, PCL default fonts are used. (GFPR#RE14100009)
3. When printing certain documents in Microsoft Word, an SC899 error might occur.

Version 1.04

Symptom corrected:

1. Text in duplex PCL jobs are shifted and therefore overlap other text when the data is subjected to both of the following conditions:
 - Specify the frontside of the page by using the <Esc>&a1G command when the current page is the backside.
 - The offset command <ESC>&l#U or <ESC>&l#Z is used after the drawing command is specified.(GFPR#RC13060012, GFPR#RE14010003)
2. When printing PCL5 jobs that include a scalable font, an SC899 error occurs or the device automatically reboots when fonts have exceeded the 256-character limit available for download. (GFPR#RE14020003)
3. PCL jobs with a specified clip range might print unnecessary 1-pixel width lines on the printout.
4. If the glyph data of TrueType fonts includes hinting information that is on the edge of the frame, an SC899 error might occur. (GFPR#RC14030010)
5. When printing more than 111,600 bytes of a bitmap font-equivalent to a character that is larger than 39.62mm x 39.62mm?via a driver, an SC899 might occur.
6. An image that has had its size downscaled, such as a logo, might not be printed. (GFPR#RE14080016)
7. If an image size is big and has been enlarged by using the "Reduce/Enlarge" option in the PCL6 driver, unexpected white lines might appear in the printout.

Version 1.03

Symptom corrected:

Specific TrueType fonts that include problematic hinting data might cause an SC899 error to occur. (GFPR#RA13030005)

Version 1.02

Symptom corrected:

When printing from a host application and specifying a font that is installed on the HDD, the output results in garbled characters.

Version 1.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/09/25

[Program Name] Java VM v11 std for eDC

[Version] 11.40.01

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D7265750P_edc

[File Information]

File Name D7265750P_edc.ifu

File Type Module for Service

Size 58.98 MB (61845944 byte)

[Availability of RFU] No

[Production reflection] 2018/09

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- The SDK application icon might not be displayed after recovering from energy saving mode under the following conditions:
 - An SDK application is set as a priority function.
 - An SDK application is set as a function key.
- SC899-00 may occur if logging in from a keyboard.
- FAX cannot be transmitted if CAP v2 is installed.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The package firmware might not be updated if the firmware includes an application that needs to be rebooted when updated.
- The SDK application may stop suddenly due to the increase of memory usage.
- Gloria don't start up when power off/on then system settings can't be used.

Other changes:

- Minor changes for its internal operations.
- Login might fail if attempting to log in with an IC card while the On-demand Print screen is displayed.

[Modification history]

Version 11.38.01

Symptom corrected:

- SDK applications (e.g. Streamline NX, GlobalScan NX, CAP/ELP) may not be able to start during the boot process due to a Java VM error.
- If only IPv6 is enabled on the device, utility tools (e.g. Device Manager NX family or Streamline NX v3) will fail to install applications remotely.
- The following issues occur if any device certificate is imported using the Device Manager NX Enterprise Certificate Management Tool.
 - Device Manager NX Enterprise fails to retrieve the information about the application(s) installed on the device.
 - GlobalScan NX fails to apply profiles or retrieve device information when using the AdminTool.

Version 11.37.00

Symptom corrected:

- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
- When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
- SDK application behavior may be incorrect or inconsistent.
(CAP/ELP/SLNX/GSNX/etc.)

Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.

- Cannot log in.
- Cannot scan.

- Cannot print.
- Error message appears.
etc.
- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
- Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.

Version 11.33.02

Symptom corrected:

- SC637 may occur, if the machine is shut down while printing.
- Sending fax from the document server using IPv4-mapped address may result in an error.
- An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.

Version 11.30.02

Symptom corrected:

- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
- User information may not be displayed, if a job is run by logging in with the user code authentication.
- Machine response slows down when a trouble occurs in the HDD.
- Less than 128-bit encryption methods will be prohibited.

Version 11.29.02

Symptom corrected:

- Java VM may not start up correctly if the main power switch is turned OFF about three minutes after the "Success" banner is displayed following a successful update of the Java VM using the update tool.
- If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires.

Version 11.27.00

Symptom corrected:

- The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.

Version 11.21.00

Error correction

- Supported IC card reader/writer (PR-700UDM).

Version 11.20.00

Symptom corrected:

- If the Finisher Booklet Tray comes off, ELP-NX V2 cannot print if "Check on Print" is set as "Printer Status" in the ELP-NX Configuration Tool.

Version 11.15.01

Fixed:

- When using the scan function continuously on a device with Streamline NX or GS-NX is installed, a "Scanner is in use by another function" error may occur.

Version 11.14.02

Fixed:

- If CAP v2 or Streamline NX is used, card login may not be performed.
- Application switching might not be performed when Steamline NX or 3rd vendor application switches the normal application on the operation panel.
- USB device ESA applications use cannot be used because vender ID and product ID are not correctly registered on the device.
- When the device recieves a lot of data, the device may freeze.
- As for Streamline NX, the login screen immediately after an application change is not displayed.
- ELP-NX V2 does not accept the print job, even if a error code which allows printing to continue is notified.
- When switching a language on the initial setting screen, if the initial setting screen is closed immediately, the display does not switch the language in the ESA application.
- When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen.

Version 11.13.01

Symptom Corrected:

SC990 occurs when machine is powered on, and it cannot be recovered by the machine reboot.

Version 11.11.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/09/25

[Program Name] Java VM v11 std UpdateTool

[Version] 11.40.01

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D7265750P_upd

[File Information]

File Name D7265750P_upd.exe

File Type Module for Service

Size 58.82 MB (61682186 byte)

Check Sum -8Bit Sum: 199F

 -16Bit Sum(Little Endian): 3223

 -16Bit Sum(Big Endian): 867C

[Availability of RFU] No

[Production reflection] 2018/09

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- The SDK application icon might not be displayed after recovering from energy saving mode under the following conditions:
 - An SDK application is set as a priority function.
 - An SDK application is set as a function key.
- SC899-00 may occur if logging in from a keyboard.
- FAX cannot be transmitted if CAP v2 is installed.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The package firmware might not be updated if the firmware includes an application that needs to be rebooted when updated.
- The SDK application may stop suddenly due to the increase of memory usage.
- Gloria don't start up when power off/on then system settings can't be used.

Other changes:

- Minor changes for its internal operations.
- Login might fail if attempting to log in with an IC card while the On-demand Print screen is displayed.

[Modification history]

Version 11.38.01

Symptom corrected:

- SDK applications (e.g. Streamline NX, GlobalScan NX, CAP/ELP) may not be able to start during the boot process due to a Java VM error.
- If only IPv6 is enabled on the device, utility tools (e.g. Device Manager NX family or Streamline NX v3) will fail to install applications remotely.
- The following issues occur if any device certificate is imported using the Device Manager NX Enterprise Certificate Management Tool.
 - Device Manager NX Enterprise fails to retrieve the information about the application(s) installed on the device.
 - GlobalScan NX fails to apply profiles or retrieve device information when using the AdminTool.

Version 11.37.00

Symptom corrected:

- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
- When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
- SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
Both the Standard (Compatibility mode) application and the SOP

Optimized (Hybrid mode) application are affected by these issues.

- Cannot log in.
 - Cannot scan.
 - Cannot print.
 - Error message appears.
- etc.

- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
- Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.

Version 11.33.02

Symptom corrected:

- SC637 may occur, if the machine is shut down while printing.
- Sending fax from the document server using IPv4-mapped address may result in an error.
- An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
- If an ESA application is installed to or uninstalled from multiple PCs via Remote Install Manager or SLNX ADM at the same time, the application may not detect the device status for the other installations/uninstallations.

Version 11.30.02

Symptom corrected:

- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
- User information may not be displayed, if a job is run by logging in with the user code authentication.
- Machine response slows down when a trouble occurs in the HDD.
- Less than 128-bit encryption methods will be prohibited.

Version 11.29.02

Symptom corrected:

- Java VM may not start up correctly if the main power switch is turned OFF about three minutes after the "Success" banner is displayed following a successful update of the Java VM using the update tool.
- If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires.

Version 11.27.00

Symptom corrected:

- The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.

Version 11.21.00

Error correction

- Supported IC card reader/writer (PR-700UDM).

Version 11.20.00

Symptom corrected:

- If the Finisher Booklet Tray comes off, ELP-NX V2 cannot print if "Check on Print" is set as "Printer Status" in the ELP-NX Configuration Tool.

Version 11.15.01

Fixed:

- When using the scan function continuously on a device with Streamline NX or GS-NX is installed, a "Scanner is in use by another function" error may occur.

Version 11.14.02

Fixed:

- If CAP v2 or Streamline NX is used, card login may not be performed.
- Application switching might not be performed when Steamline NX or 3rd vendor application switches the normal application on the operation panel.
- USB device ESA applications use cannot be used because vender ID and product ID are not correctly registered on the device.
- When the device recieves a lot of data, the device may freeze.
- As for Streamline NX, the login screen immediately after an application change is not displayed.
- ELP-NX V2 does not accept the print job, even if a error code which allows printing to continue is notified.
- When switching a language on the initial setting screen, if the initial setting screen is closed immediately, the display does not switch the language in the ESA application.
- When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen.

Version 11.13.01

Symptom Corrected:

- SC990 occurs when machine is powered on, and it cannot be recovered by the machine reboot.

Version 11.11.01

1st Mass production

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*** Basic Information ***
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[Create date] 2019/11/26

[Program Name] ID Card Scan and Copy

[Version] 2.0.2

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D3CM5513B_forEDC

[File Information]

File Name D3CM5513B_forEDC.zip

File Type Module for Service

Size 5.87 MB (6156023 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected;

If the NetBIOS name is specified when Proxy is disabled, communication with the SMB server fails.

Cannot return to the home screen when pressing the Back key on the application top screen.

[Modification history]

Version 2.0.1

Rank C

Symptom corrected:

- A problem that address book users with a specific name could not be set as destinations in ID Card Scan and Copy apps was corrected.
- A problem that preference of ID Card Scan and Copy apps were not exported when exporting device preferences was corrected.

Other changes:

- Supported Arabic.

Version 2.0.0

Rank D

Initial release

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*** Basic Information ***
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[Create date] 2019/11/22

[Program Name] Shared Folder Print

[Version] 2.0.1

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D3CM5514A_forEDC

[File Information]

File Name D3CM5514A_forEDC.zip

File Type Module for Service

Size 6.26 MB (6560430 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- Cannot return to the home screen when pressing the Back key on the application top screen

[Modification history]

Version 2.0.0

Rank D

Initial release

=====
*** Basic Information ***
=====

[Create date] 2019/11/26

[Program Name] Scan to SharePoint

[Version] 2.0.2

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D3CM5516B_forEDC

[File Information]

File Name D3CM5516B_forEDC.zip

File Type Module for Service

Size 1.75 MB (1833680 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- Cannot return to the home screen when pressing the Back key on the application top screen.
- If the NetBIOS name is specified when Proxy is disabled, communication with the SMB server fails.
- When a message dialog is displayed, [OK] button displayed in the dialog may not respond.
- The application terminates abnormally when a no extension file is read.

[Modification history]

Version 2.0.1

Rank C

Symptom corrected:

- Scan setting might not be changed from the default value.
- Preview screen is displayed twice, when the document is scanned with JPEG format.

Version 2.0.0

Rank D

Initial release

=====
*** Basic Information ***
=====

[Create date] 2019/11/26

[Program Name] ID Card Copy

[Version] 2.0.2

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D3CM5519B_forEDC

[File Information]

File Name D3CM5519B_forEDC.zip

File Type Module for Service

Size 8.28 MB (8687332 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:
Cannot return to the home screen when pressing the Back key on the application top screen.

[Modification history]

Version 2.0.1
Rank C

Other changes:
- Supported Arabic.

Version 2.0.0
Rank D

Initial release

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*** Basic Information ***
=====

[Create date] 2019/11/22

[Program Name] Scan to Folder Helper

[Version] 2.0.2

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D3CM5520B_forEDC

[File Information]

File Name D3CM5520B_forEDC.zip

File Type Module for Service

Size 6.11 MB (6403898 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- Cannot return to the home screen when pressing the Back key on the application top screen.
- If the NetBIOS name is specified when Proxy is disabled, communication with the SMB server fails.

[Modification history]

Version 2.0.1

Rank C

Other changes:

- The destination information sheet is printed through PCL, in case the device has PCL function.

Version 2.0.0

Rank D

Initial release

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*** Basic Information ***
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[Create date] 2019/11/26

[Program Name] Group Destination Helper

[Version] 2.0.1

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D3CM5522A_forEDC

[File Information]

File Name D3CM5522A_forEDC.zip

File Type Module for Service

Size 0.86 MB (905563 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- Cannot return to the home screen when pressing the Back key on the application top screen.

[Modification history]

Version 2.0.0

Rank D

Initial release

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*** Basic Information ***
=====

[Create date] 2019/11/22

[Program Name] Scan to Cloud Services

[Version] 2.0.4

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D3CM5523D_forEDC

[File Information]

File Name D3CM5523D_forEDC.zip

File Type Module for Service

Size 5.47 MB (5735536 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- Cannot return to the home screen when pressing the Back key on the application top screen.

Other changes:

- When setting the SharePoint destination, you can set the destination by the document library name.

[Modification history]

Version 2.0.3

Rank C

Symptom corrected:

- The "Scan to Cloud Service" application will fail to connect to the server if the URL exceeds 40 characters.
- Scanning to a cloud service might not start at the following times:
 - During the System Auto Reset
 - When switching to a different cloud server to send the scan

Version 2.0.2

Rank C

Symptom corrected:

- The application might be closed when the file list is opened, in case a file without extension is included in the list.
- Preview screen is displayed twice, when the document is scanned with JPEG format.

Other Changes:

- Supported models without HDD.

Version 2.0.1

Rank C

Symptom corrected:

- When the destination address is selected, an error dialog might be displayed and the application might close.

Version 2.0.0

Rank D

Initial release

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*** Basic Information ***
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[Create date] 2019/11/22

[Program Name] ScanToME

[Version] 2.0.1

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D3CM5524A_forEDC

[File Information]

File Name D3CM5524A_forEDC.zip

File Type Module for Service

Size 3.43 MB (3595802 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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*** Important Notes ***
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[Important Notes]

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*** Modification History ***
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[Modifications made:]

Rank C

Symptom corrected:

- Cannot return to the home screen when pressing the Back key on the application top screen.

[Modification history]

Version 2.0.0

Rank D

Initial release