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*** Basic Information ***
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[Create date] 2019/03/05

[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)

[Availability of RFU] No

[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:]

Rank D

1st Mass production

[Modification history]

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*** Basic Information ***
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[Create date] 2019/03/04

[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)

[Availability of RFU] No

[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:]

Rank D

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] 2019/03/04

[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)

[Availability of RFU] No

[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:]

Rank D

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] 2018/03/16

[Program Name] Fax

[Version] 09.00.00

[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.] D1965784K

[File Information]

File Name D1965784K.fwu

File Type Module for Service

Size 2.53 MB (2648936 byte)

[File Information]

File Name D1965784K.rfu

File Type Module for Remote Upgrade

Size 2.53 MB (2654464 byte)

[Availability of RFU] Yes

[Production reflection] 2018/03

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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:]

Rank C

Symptom corrected:

- When Hook Dial is pressed or when Manual Entry is selected, the SmartFax application might crash.

[Modification history]

Version 08.00.00

Symptom corrected:

- The printing and capturing of received faxes is stopped and the fax application screen might freeze when receiving faxes intermittently from multiple lines if the fax reception capturing function is enabled.

Version 07.00.00

Symptom corrected:

- The fax function cannot be used after recovering from the energy saver mode.

Version 06.00.00

Symptom corrected:

- Cannot exit from job stop screen and FAX function does not work, if the SNTP time setting and STR setting are enabled.
- Fax application may stall when recovering from energy saving mode.

Other changes:

- When the Auto Logout timer is invoked can be changed:
SP5-401-230 bit7 = 1: When the job executed from the operation panel is completed.
SP5-401-230 bit7 = 0: When the user last had interaction with the panel.

Version 05.00.00

Symptom corrected:

- If logged in with user authentication, FAX settings for Auto Print FAX Journal (SWUSR_03, bit7) and setting whether or not to include sender name in reports (SWUSR_04, bit5) may change after logging out.
- SC899 may occur when logging out from a machine with the user authentication enabled.

Version 04.00.00

Other Changes:

Added support for adhering to the Lot 6 regulation of the EU in European devices.

Version 03.00.00

Change:

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 02.00.00

Other Changes:

Supported RICOH SmartSDK v2.12.

Version 01.00.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/05/29

[Program Name] Network Support

[Version] 15.31

[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.] D1965792N

[File Information]

File Name D1965792N.fwu

File Type Module for Service

Size 10.29 MB (10794292 byte)

[File Information]

File Name D1965792N.rfu

File Type Module for Remote Upgrade

Size 10.30 MB (10801408 byte)

[Availability of RFU] Yes

[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:

- If the device has not being used a significant amount of times, functions that require a network connection might fail.
- When conducting Scan to Folder using SMBv2/v3, if the device receives UDP communication from the outside to the port used by SMBv2/v3, Scan to Folder might fail.

[Modification history]

Version 15.30

Rank C

Symptom corrected:

- Fixed unnecessary processing affecting hard disk failure and deterioration.
- Unnecessary logs are recorded in the system logs when connecting to the network through a wireless LAN.
- Fixed the WebAPI bug when obtaining the network property information.
- SC819 might occur after ARFU or RFU.
- The device might freeze during data transmission when conducting Scan to Folder with SMBv2/v3.
- When conducting Scan to Folder in a high-load network environment, the device's status gets stuck on sending and the scanner becomes unusable.

Other changes:

- The default value of "Algorithm Signature" has been changed from SHA1-RSA 2048 to SHA256-RSA 2048 when the device creates or requests a new device certificate.

Version 15.29

Rank C

Symptom corrected:

- SMB client timeout configuration is not correctly applied in the device.
 - SC899 occurs when conducting Scan to Folder, and the device might automatically restart.
 - When conducting Scan to Folder, if a host name is resolved to multiple IP addresses by NBNS, the device tries to connect to only the first resolved IP address.
 - When a HP device is working on the same subnet, Scan to Folder will fail.
 - Network browsing sometimes fails when conducting Scan to Folder.
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Version 15.28

Symptom corrected:

- On a device with SMBv2/v3 firmware, when sending a scanned or fax document using the Hotfolder plug-in for GlobalScan or StreamlineNX, an "incorrect" document may be sent to the destination and may be lost the original document.

Version 15.27.1

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.15 (D1965400S)

Network Support v15.27.1 (D1965792J)

Web Support v1.12 (D1965788K)

Scanner v01.19 (D1965787L)

animation v2.06 (D1965790G)

Please refer to the RTB(No.RGene095) for details.

Version 15.26

Other Changes:

- Added APIs for SmartSDK that reads and writes SP values.

Version 15.25

Symptom Corrected:

- When the device is in Energy Saver Mode, if information about the network interface for the device is being obtained from the SNMP Manager application, nonexistent errors are recorded in the system logs.

Version 15.24

Symptom corrected:

- Administrator password cannot be changed via telnet.

Version 15.23

Symptom Corrected:

- When the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active", authentication will fail.

Version 15.22

Symptom corrected:

- When an site certificate is imported to the device from Web Image Monitor, an error occurs and "Invalid site certificate" is displayed in the browser.

Other Changes:

- Added support for adhering to the Lot 6 regulation of the EU in European devices.

Version 15.21

Symptom corrected:

- When setting the following item in the wireless LAN settings, if the DHCP setting is configured from active to inactive, or vice versa, User Tools and each application might not be configurable.

In Web Image Monitor:

Wireless LAN Settings > Communication Mode = Direct Connection:
Group Owner Mode

On the operation panel:

User Tools > Machine Features > System Settings > Interface
Settings> Wireless LAN >
Communication Mode = Direct Connection: Group Owner Mode

Other changes:

1. In response to concerns regarding vulnerability, the SSL/TLS setting in the MFP matches that in the @Remote connection.

Explanation:

The MFP connects to the @Remote center server by using the TLS 1.1 or lower-level protocol, which is not selectable from the customer site. This specification change allows the CE and the customer to select the available protocol between the MFP and @Remote center server by changing the SSL/TLS setting via Web Image Monitor.

Important notes:

Before updating the firmware, please check the SSL/TLS setting and allow the following security level for each case. Otherwise, the @Remote service cannot be provided:

For embedded type

- We need to allow TLS 1.1 or lower-level for it to function.
- We are currently preparing the TLS 1.2 connection on the @Remote center server. The scheduled date of completion will be announced soon.
- This will change when preparation at the @Remote center server is complete.

For RC Gate A1

- We need to allow TLS 1.0 or lower-level for it to function.

For RC Gate

- We need to allow SSL 3.0 or lower-level for it to function.
 - We need to change the certification length.
2. When a site certificate that uses characters other than those specified by RFC5280 is imported to the device, the device will reject the import.
 3. Changed the DH key specification to use 2,048 bits instead of 512 bits to prevent the Logjam vulnerability (CVE-2015-4000). In addition, by modifying this specification, SSL/TLS communication can be established when using Mac OS X 10.10.4 and iOS 8.4.

Version 15.20
1st Mass production

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*** Basic Information ***
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[Create date] 2017/12/08

[Program Name] Printer

[Version] 1.12

[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.] D1965794P

[File Information]

File Name D1965794P.fwu

File Type Module for Service

Size 4.59 MB (4810560 byte)

[File Information]

File Name D1965794P.rfu

File Type Module for Remote Upgrade

Size 4.59 MB (4817152 byte)

[Availability of RFU] Yes

[Production reflection] 2017/10

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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:]

Fixed:

- It might take time to resume a job if it is suspended while the device is in Energy Saver mode.

[Modification history]

Version 1.11

Fixed:

- Printer configuration page might show incorrect information about the bypass tray paper size.
- After an SC reboot occurs, if the dialog window stating that the automatic reboot has occurred is not closed, SDK-J applications cannot be started, which results in an SC990 error occurring.

Version 1.10

Other changes:

- When the Auto Logout timer is invoked can be changed:
SP5-401-230 bit7 = 1: When the job executed from the operation panel is completed.
SP5-401-230 bit7 = 0: When the user last had interaction with the panel.

Symptom corrected:

- When attempting to preview a large-size JPEG image from "Print/Scan (Memory Storage Device)", an SC899 error occurs.
- When printing from AirPrint, the paper weight "Plain 2 (75 to 81g/square metre)" is out of the search target of "Auto Tray Select" even if "Plain Paper or Recycled Paper" is specified in the job.

Version 1.09

Symptom corrected:

- An error may occur when trying to display a preview in the Print from Storage Device application.

Version 1.08

Symptom corrected:

- Minor bug correction.

Version 1.07

Symptom corrected:

- When printing from an application that uses the SmartSDK interface, the number of pages to be printed that is displayed in the application might be incorrect.
- An SC899 error might occur when the Printer application starts up, which causes the device to stall.

Version 1.06

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 1.05

Fixed:

- Connecting the server might fail when Pull Print is conducted from a web application.

Other Changes:

- Supported RICOH SmartSDK v2.12.

Version 1.04

Symptom corrected:

In the case that a direct print is performed on a device with ELP-NX v2 installed when a document is currently being printed, the device will freeze after printing is complete.

Version 1.03

Symptom corrected:

When a job is sent to the device while it is in Energy Saver mode, "Auto Continue" function does not work and a paper size error occurs.

Version 1.02

Symptom corrected:

SP1-103-002 fails, if paper type is set to plain paper 2 (default).

Other changes:
Supported RICOH SmartSDK v2.10.

Version 1.01
1st Mass production

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*** Basic Information ***
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[Create date] 2018/12/12

[Program Name] RPCS

[Version] 3.18.13

[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.] D2145795C

[File Information]

File Name D2145795C.fwu

File Type Module for Service

Size 0.57 MB (599296 byte)

[File Information]

File Name D2145795C.rfu

File Type Module for Remote Upgrade

Size 0.58 MB (606464 byte)

[Availability of RFU] Yes

[Production reflection] 2018/12

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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:

- When printing a file that contains black and white images, unnecessary lines might also be printed.

[Modification history]

Version 3.18.12

Symptom corrected:

SP1-103-002 fails, if paper type is set to plain paper 2 (default).

Note: that this f/w must be used in combination with Printer V1.02 or later.

Version 3.18.11

1st Mass production

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*** Basic Information ***
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[Create date] 2018/12/13

[Program Name] PCL

[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.] D2145796G

[File Information]

File Name D2145796G.fwu

File Type Module for Service

Size 1.36 MB (1427820 byte)

[File Information]

File Name D2145796G.rfu

File Type Module for Remote Upgrade

Size 1.37 MB (1433856 byte)

[Availability of RFU] Yes

[Production reflection] 2018/12

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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 printing PCL5 data after installing the Andale font on the machine, some Chinese characters might not be printed.
- Some characters might be filled with black when the color balance is set below zero.
- The overlay image might not be correctly printed with PCL.
- When printing a file that contains black and white images, unnecessary lines might also be printed.
- Double-byte characters of Asian languages such as Japanese, Chinese, and Korean might be missing.

[Modification history]

Version 1.06

Rank C

Symptom corrected:

- The device might stall when printing a heavy-duty job.

Version 1.05

Symptom Corrected:

- The printing results of the second and subsequent pages might not be as expected while PCL5 host printing.

Version 1.04

Symptom corrected:

1. An error might occur while printing a job when "Unauthorized Copy Prevention" is enabled and asterisks are included with characters in the "Enter User Text".
2. An SC899 error occurs when using the PCL6 driver to print a PDF from the Reader application in Windows 8.1. (GFPR#RA15050002)
3. Image backgrounds might be filled unexpectedly.
4. A pattern put on top of an image or graphic might be blacked out.
5. When printing a PCL job which contains images via host printing, an SC899 error might occur.

Version 1.03

Symptom Corrected:

- When characters that contain the incorrect TrueType font data are printed, not only are incorrect characters missing but also are correct characters that follow incorrect characters.
(GFPR#RE16030046)
- 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)

- PCL macros that were uploaded to the HDD cannot be printed. (GFPR#RE16080014)
- Some lines of text and/or dotted lines might be missing when using the PCL overlay macro. (GFPR#RC16040013)
- A blank page or missing image is printed out if the print data created by certain applications (such as Microsoft Excel 2010) contains a significant amount of graphics and/or transparent objects.
- An SC899 error might occur when graphics are drawn by the RGB Brush. (GFPR#RE15100026)

Version 1.02

Symptom corrected:

1. Some lines and/or borders might be missing from PCL jobs. (GFPR#RC16040013)
2. When printing an excel sheet that contains images that drawn by collar custom brush, the job may be canceled.

Version 1.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/06

[Program Name] Java VM v12 std for eDC

[Version] 12.62.00

[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.] D2145799P_edc

[File Information]

File Name D2145799P_edc.ifu

File Type Module for Service

Size 62.35 MB (65373952 byte)

[Availability of RFU] No

[Production reflection] 2018/10

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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 package firmware might not be updated if the firmware includes an application that needs to be rebooted when updated.

Other changes:

- Login might fail if attempting to log in with an IC card while the On-demand Print screen is displayed.

[Modification history]

Version 12.60.02

Rank C

Symptom corrected:

- 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.

Version 12.56.00

Symptom corrected:

- 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.

Version 12.54.00

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.
- 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.

Version 12.49.00

Other changes:

A minor change only for the Japanese model.

Version 12.47.01

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.
- After logging in to CAP, it may not be possible to print after an error occurs.
- 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.
- 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 the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- 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.

Version 12.40.00

Minor bug correction.

Version 12.36.00

Symptom corrected:

- 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 12.34.01

Symptom corrected:

- Error may occur, if ESA application is uninstalled with the extended features of WIM.
- Pre-installed application can be falsely uninstalled with the extended features of WIM.
- Once changed, the HTTP/HTTPS settings may never be changed again.
- ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.

Other changes:

- Support for the Application Site.

Version 12.27.03

Other changes:

Support for Application Site version F1.

Fixed:

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.

Symptom corrected:

- If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on.
- Document Update of ESA application may fail.
- Machine may reboot without shutting down Java VM.

Version 12.20.04

Symptom corrected:

- Printing a stored job causes its job log ID to appear as '0.'
- Smart Operation Panel Native and Hybrid application can be installed via Web Image Monitor. This firmware is dependent on the following firmware module. Please be sure to update it:
 - CheetahSystem Ver1.06 or later (D1961400F/D1961401F*)
 - System/Copy Ver1.06 or later (D1965400H)

*The Cheetah System firmware for China is different than the one for other countries. Please use the appropriate firmware depending on your region.

Version 12.18.11

Symptom corrected:

- Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files.
- SC637 may occur, if the machine is shut down while printing.

Version 12.15.03

Symptom corrected:

- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.

- Xlet application may not work when logged in after recovering from energy saving mode.
- Search, copy & paste of texts may not work in searchable PDF files created in Polish and Hungarian languages.
- Characters are randomly broken onto new lines, if the following settings are configured in Scan Settings:
 1. Vertical text in a PDF file is copied and pasted into an application.
 2. "OCR Settings" is set to "On".
 3. "Cognitive Language" is set to "Japanese".

Version 12.10.00
1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/06

[Program Name] Java VM v12 std UpdateTool

[Version] 12.62.00

[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.] D2145799P_upd

[File Information]

File Name D2145799P_upd.exe

File Type Module for Service

Size 62.15 MB (65173403 byte)

Check Sum -8Bit Sum: 3148

 -16Bit Sum(Little Endian): EA0F

 -16Bit Sum(Big Endian): 8F39

[Availability of RFU] No

[Production reflection] 2018/10

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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 package firmware might not be updated if the firmware includes an application that needs to be rebooted when updated.

Other changes:

- Login might fail if attempting to log in with an IC card while the On-demand Print screen is displayed.

[Modification history]

Version 12.60.02

Rank C

Symptom corrected:

- 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.

Version 12.56.00

Symptom corrected:

- 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.

Version 12.54.00

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.
- 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.

Version 12.49.00

- Minor bug correction. (For Japanese market only).

Version 12.47.01

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.
- After logging in to CAP, it may not be possible to print after an error occurs.
- 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.
- 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 the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- 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.

Version 12.40.00

- Minor bug correction.

Version 12.36.00

Symptom corrected:

- 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 12.34.01

Symptom corrected:

- Error may occur, if ESA application is uninstalled with the extended features of WIM.
- Pre-installed application can be falsely uninstalled with the extended features of WIM.
- Once changed, the HTTP/HTTPS settings may never be changed again.
- ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.

Other changes:

- Support for the Application Site.

Version 12.27.03

Other changes:

- Support for Application Site version F1.
- When the Java VM version is updated the settings are taken over.

Fixed:

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.

Symptom corrected:

- If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on.
- Document Update of ESA application may fail.
- Machine may reboot without shutting down Java VM.

Version 12.20.04

Symptom corrected:

- Printing a stored job causes its job log ID to appear as '0.'
- Smart Operation Panel Native and Hybrid application can be installed via Web Image Monitor. This firmware is dependent on the following firmware module. Please be sure to update it:
 - CheetahSystem Ver1.06 or later (D1961400F/D1961401F*)
 - System/Copy Ver1.06 or later (D1965400H)

*The Cheetah System firmware for China is different than the one for other countries. Please use the appropriate firmware depending on your region.

Version 12.18.11

Symptom corrected:

- Job cannot resume and the machine remains on-line, if paper near-end occurs while printing General format files.
- SC637 may occur, if the machine is shut down while printing.

Version 12.15.03

Symptom corrected:

- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
- Xlet application may not work when logged in after recovering from energy saving mode.
- Search, copy & paste of texts may not work in searchable PDF files created in Polish and Hungarian languages.
- Characters are randomly broken onto new lines, if the following settings are configured in Scan Settings:
 1. Vertical text in a PDF file is copied and pasted into an application.
 2. "OCR Settings" is set to "On".
 3. "Cognitive Language" is set to "Japanese".

Version 12.10.00
1st Mass production

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

[Create date] 2017/06/22

[Program Name] ScanToME

[Version] 1.02

[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.] D1961412B_forEDC

[File Information]

File Name D1961412B_forEDC.zip

File Type Module for Service

Size 3.45 MB (3615964 byte)

[Production reflection] 2017/07

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

[Note]

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

[Important Notes]

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

[Modifications made:]
Other Change:
- Job Counter is implemented.

[Modification history]

Version 1.01
Symptom corrected:
- Minor bug correction.

Version 1.00
1st Mass production

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

[Create date] 2018/09/27

[Program Name] System/Copy

[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.] D1965400Z

[File Information]

File Name D1965400Z.fwu

File Type Module for Service

Size 30.42 MB (31892640 byte)

[File Information]

File Name D1965400Z.rfu

File Type Module for Remote Upgrade

Size 30.42 MB (31899904 byte)

[Availability of RFU] Yes

[Production reflection] 2018/08

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

[Note]

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

[Important Notes]

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

=====
[Modifications made:]

Rank C

Symptom corrected:

- Remote installation of a SOP application while a user is logged into the device might fail.
- Remote un-installation for Streamline NX might fail.
- When using Windows authentication, LDAP authentication, or external authentication, if exporting the address book from Device Manager NX, the export data cannot be imported.
- When the device is using "Card Authentication Package" or another custom authentication and then the following fields on the server are blank, the fields in the address book on the device might not be overwritten:
 - Email address
 - FAX address
 - Folder address
- The following symptoms might occur when executing:
 1. SP5-846-051 (Backup All Addr Book)
 - A backup failure message might appear.
 2. SP5-846-052 (Restore All Addr Book)
 - SC899 might occur.
 - The machine might stall.

[Modification history]

Version 1.20

Rank C

Symptom corrected:

- Kerberos authentication might take time because the TCP timestamp starts with a zero.
- Printer capture data might not be sent when printing a blank page if the capture function is enabled.

Version 1.19

Rank D

Minor changes were applied for the Japanese domestic model.

Version 1.18.1

Rank C

Symptom corrected:

- The operation panel might stall if the machine repeatedly goes into and out of STR mode.
- If some characters are included in a user name, login authentication is not correctly done.
- The quota notification cannot be displayed on some SmartSDK applications.
- If a jam occurs on the first page of a job on a machine set with

- user code authentication and then, the start button and log-out button are pressed together, the start button becomes ineffective.
- The operation panel may freeze, if the Start button is pressed in copy mode immediately after recovering from the energy saver mode.
 - When the device has just gone into energy saver mode, even if a copy job is sent from a SmartSDK application, copying does not start.
 - If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.
 - When JavaVM is not enabled and only IPv6 is enabled, the list of installed applications is not displayed in Extended Feature Info on the Web Image Monitor.
 - The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.

Other changes:

- Added a new feature for the SmartSDK WebAPI.
- Supported RICOH SmartSDK v2.50

Version 1.17

Rank C

Symptom corrected:

- When the authentication setting is adjusted for each application, SC998 or SC991 might be displayed.

Version 1.16

Symptom corrected:

- Operations might be double counted in the SLNX user usage reports.

Version 1.15

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.15 (D1965400S)

Network Support v15.27.1 (D1965792J)

Web Support v1.12 (D1965788K)

Scanner v01.19 (D1965787L)

animation v2.06 (D1965790G)

Please refer to the RTB(No.RGene095) for details.

Version 1.14

Symptom corrected:

- SC998 may occur when powering on, if an ESA application is set as a function priority.
- SC871-01(FCU Error) may occur after recovering from sleep mode.
- If a user ID is input manually and then an IC card of a different user is hovered over the card reader, the user ID manually input is overwritten with the user ID of the IC card.

- User usage restrictions do not come into effect if authentication is enabled in Quick Card Authentication
- If user authentication is set to something other than User Code, the Eco information screen might not be displayed at the expected timing when a user logs in.
- Cannot refer to the address book in the Simple Fax or Simple Copy applications under the following conditions:
 - Address book usage or registration restrictions are enabled
 - Administrator setting restrictions are enabled
- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- After sending mail including the URL link of a PDF file scanned by OCR, when the device is turned off and on, the PDF file is not able to be accessed by clicking on the URL.
- When the device is using "Card Authentication Package" or another custom authentication and then the following fields on the server are blank, the fields in the address book on the device might not be overwritten:
 - Email address
 - FAX address
 - Folder address
- If the preview setting is set to ON in SmartSDK scanner applications, aborting while scanning might cause SC990 and SC991 to occur.

Specification change:

- Change in toner near end alert message
 - Before: Toner Cartridge is almost empty. Check toner cartridge replacement(s).
 - After: Check you have a toner cartridge replacement(s).
 - Current toner cartridge can be used until the replacement alert.

Other changes:

- Supported RICOH SmartSDK v2.40.
- Added the function to set user usage restrictions for each application.
- Supported the Remote Panel Operation.
 - Multiple firmware modules are required to use Remote Panel Operation.
 - Please refer to GKM Answer ID 251361 for detailed information regarding required firmware.

Version 1.13

Symptom corrected:

- A true/false based API control was added to check the capability of Scan and FAX.
- After entering the user code to start up the Copy application, the user code input screen does not disappear.
- Pressing an application on the touch panel very soon after going into Energy Saver mode might cause the device to stall on the "Please Wait" screen.

Other changes:

- When the Auto Logout timer is invoked can be changed:
 - SP5-401-230 bit7 = 1: When the job executed from the operation panel is completed.
 - SP5-401-230 bit7 = 0: When the user last had interaction with the panel.

Version 1.12

Specification change:

- More languages supported for the smart operation panel.
- When executing a Firmware configuration task via Device Manager NX Pro/Enterprise, an RFU package with the appropriate destination (USA/Europe/Asia/Korea/Taiwan model or China model) can be selected and downloaded from the RICOH Global Server.

Symptom Corrected:

- SC819 may occur, if the auto log-out timer and the energy saving timer are set to the same value.
- Machine may stall, if shut down by the Weekly Timer.
- Error 22 may occur during ARFU.
- Error message appears, if the Home button is pressed while the screen is displaying the Current Job tab in Check Status.
- If the authentication setting is changed while logging in and the Finish key is pressed from the System Settings menu, the System Settings menu appears instead of the home screen.
- SC819 may occur after removing a jam that occurred while printing a large job that fully consumes the printer memory.
- Remote authentication fails on a device set with the Quick Card Authentication enabled, if the printer is asleep.
- If logged in using CAP and the device enters Energy Save mode, the device may stall and logging out will fail.
- SC899 may occur when rebooting after updating a firmware.

Version 1.11

Other changes:

- Added an SP setting for enabling or disabling the "Screen Monitoring" function.
SP5-885-205: default = 0 ("Screen Monitoring" is enabled)

This firmware is dependent on Web Support firmware v1.10 (D1965788H) or later, so please be sure to update that firmware as well.

- To enable quicker the detection time and shut down time when SC670 occurs.

Symptom corrected:

- SC899 may occur after updating with the packaged firmware.
- If the device enters Energy Save Mode after automatically logging out an account, the device might stall when IC card authentication is used to recover from Energy Save Mode.
- Connection error message may appear mistakenly on @Remote connected machines.
- Connection may fail if entering and recovering from energy saving mode is repeated without power OFF/ON on @Remote connected machines.
- Log in screen cannot be displayed after reboot device installed StreamlineNX.
- SC991/SC899 may occur or stall may occur during use of application on @Remote connected machines.

Version 1.10

Specification Change:

- Added support for adhering to the Lot 6 regulation of the EU in European devices.

Symptom Corrected:

- The response of the operation panel becomes slow, if frequently accessed to the HDD from the panel.

Version 1.09

Specification Change:

- The font used for some of the screens displayed on the operation panel was changed.

Error Correction:

- Error occurs, if new addresses are continuously registered to the address book using Smart SDK.

Symptom corrected:

- Installation of the SLNX Hybrid mode application may not be completed.

Version 1.08

Symptom corrected:

- The legacy Fax icon is falsely replaced with the Simple Fax icon on the home screen.
- The correct error code is not displayed on the operation panel, if logged in by a user who is unregistered in the address book using an external authentication when the address book is full.
- The dialog box indicating "Enter the password" is duplicated when attempted to log in with IC card authentication.
- SC819 occurs when printing particular files.
- The Smart Operation Panel v2.0 application for GR-C2 was made common with that of Lef-C1 and later models.

Other changes:

- Support for Application Site version F2.

Version 1.07

Specification Change:

1. The firmware currently installed will not be downgraded even if having installed a package firmware that contains a firmware that is older than the current version.

Symptom Corrected:

1. Job history is not displayed, if the "Store and Skip Error Job" function is enabled (default: Off) in Printer Features.
2. If turning ON the power with SP5-758-001(Remote UI Setting Authentication) is set to "1", SC673-10 may appear with the LED lighting in red.
3. If "Quick Card Authentication" has been installed with SP5-401-240 (Access Control Detail Option) Bit 0 set to "0" (default: 1) and then uninstalled, log-out confirmation screen does not appear.
4. SC899 may occur during a remote firmware update (RFU), if the SD card for FW update is removed without turning OFF the machine power.
5. Fax received is not printed and forwarded to the folder,

- if "Forwarding setting of Reception File Setting" is enabled.
6. If a user is registered to CAP V2 with the same user name as the device administrator (admin), the user can be used to manually log in to the device if case insensitivity is set.
 7. If a user selects a language in the user properties via the SLNX screen, if the language is not registered in "Switchable Languages of Screen Features", SC991 will be displayed.
 8. When user code authentication is enabled, if a user logs in to Web Image Monitor after logging in on the operation panel, the login screen for user code authentication will be displayed again on the operation panel.
 9. When using the "Central Management" feature, the settings of the client devices might not synchronize to the latest settings on the server.
 10. Under some conditions, the login screen may not be displayed on the device if SLNX installed.

This firmware is dependent on Web Support firmware v1.06(D1965788D) or later, so please be sure to update it.

Other changes:

1. Supported RICOH SmartSDK v2.12.
2. Support for Application Site version F1.
3. An interface for remotely obtaining the SmartSDK and Java VM version information and for remotely enabling Java VM has been added.

Version 1.06

Other changes:

Cheetah hybrid applications and native applications can be installed from Web Image Monitor.

To support this function, all of the following versions of firmware modules need to be installed:

- Cheetah System firmware v1.06 (D1961400F/D1961401F) or later*
- System/Copy firmware v1.06 (D1965400H) or later
- Java VM firmware v12.20.04 (D2145799D) or later

*The Cheetah System firmware for China is different than the one for other countries. Please use the appropriate firmware depending on your region.

Symptom corrected:

- When a Cheetah hybrid application that does not have a Part Number is installed, if the Product ID exceeds nine characters, the remaining characters will not be displayed in Web Image Monitor.
- SmartSDK cannot be disabled even though SP5-848-025 is enabled.
- If an email sent by scan-to-email is opened in Office 365 cloud mail service, contents of the attached file may falsely appear in the body of the message with the characters corrupted.
- Device registration on @remote center server with 2048-bit certificate fails.
- If a user logs in using CAP after the machine recovers from Sleep mode, the login session/record of a previous user is reactivated. (RD196052)

NOTE: To fix this bug, install one of the following:

- This firmware (System/Copy firmware v1.06) or newer, OR
- CAP v2.2.601 or newer

Version 1.05

Other Changed:

- User code authentication does not work in applications that use Web Browser NX.
- Supported RICOH SmartSDK v2.12.

Symptom corrected:

- In the case that IC card authentication (EX: CAP v2) is used, the authentication dialog may not be displayed when starting the device.
- In the case that IC card authentication (EX: CAP v2) is used, print jobs cannot be deleted when selecting the "Delete all" button on the Job List after logging in to the device.
- In the case that CAP v2 is installed, it is possible to log in to the device even if authentication fails via an IC card when a print job is cancelled via the "Check Status" button.
- Paper mismatch error occurs even when "Auto Continue setting (User Tools>Machine Features>Printer Features>System)" is enabled.
- Machine cannot recover, if the Paper Feed Unit_PB1050_bank1 firmware is updated without the bank 1 installed.
- Guest user authentication logs are not deleted and remain as access logs.
- 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 install CheetahSystem firmware (D1961400E) or CheetahSystem(CHN) firmware (D1961401E).

Version 1.04

Symptom corrected:

1. When scanning an original containing multiple pages with the Twain driver, error (code: 36856) occurs on the client PC and scan stops midway.
2. The data may be lacked while Base64 decode process.
3. ASCII keyboard is opened when editing "name" after the short-cut registration of address from application.

Version 1.03

Minor bug fixed.

Version 1.02

Symptom corrected:

1. When the CTS protection function is enabled, the throughput for

the wireless LAN connection is reduced.

2. Even if the device is configured to restrict users from registering a destination in the address book, as shown below, a user can still register a destination by using the Scan to Folder Helper application:
 - "System Settings > Administrator Tools > Extended Security > Restrict User of Destination(Fax)" set to "ON".
 - "System Settings > Administrator Tools > Extended Security > Restrict User of Destinations(Scanner)" set to "ON".
3. When DHCP is enabled on the device, the IPv4 address that is displayed on the Check Status screen is "11.22.33.44". To see the IPv4 address:
 - 1) Press the Check Status button.
 - 2) Select the "Maintnc./Inquiry/Mach. Info" tab.
 - 3) Check the information in "Machine Address Info".
4. If "AAM-E for 4.3 inch panel printer" included in SLNX or CAP v2 is installed to the device, users cannot log in to Web Image Monitor.
5. When an unnecessary authentication method is configured in the application-specific authentication setting of an SDK application, the icon is not displayed on the home screen in logout status.
6. When scanning with "Hungarian" or "Polish" selected under "Cognitive Language" in "OCR Settings", if the value of a Unicode character exceeds 256, then the character will be converted to a question mark ("?").
This firmware is dependent on the following firmware module.
Please be sure to update it:
 - Scanner firmware: v01.11 or later
7. SC819
8. Operation panel does not function, if the Eco-friendly Counter Period / Administrator Message option is set to "Do not Count" after executing SP5801-3 (SCS Memory Clear).
9. While scanning, the system falsely executes System Auto Reset and returns to home screen.

Other Changes:

1. The maximum data transmission speed has been changed to 130 Mbps because 40-MHz wireless LAN bandwidth is no longer supported.
2. Supported RICOH SmartSDK v2.10.
3. In response to concerns regarding vulnerability, the SSL/TLS setting in the MFP matches that in the @Remote connection.

Explanation:

The MFP connects to the @Remote center server by using the TLS 1.1 or lower-level protocol, which is not selectable from the customer site. This specification change allows the CE and the customer to

select the available protocol between the MFP and @Remote center server by changing the SSL/TLS setting via Web Image Monitor.

Important notes:

Before updating the firmware, please check the SSL/TLS setting and allow the following security level for each case. Otherwise, the @Remote service cannot be provided:

[For embedded type]

- Allows TLS 1.1 or lower-level
- We are currently preparing the TLS 1.2 connection on the @Remote center server. The scheduled date of completion will be announced soon.
- This will change when preparation at the @Remote center server is complete.

[For RC Gate A1]

- Allows TLS 1.0 or lower-level

[For RC Gate]

- Allows SSL 3.0

Version 1.01
1st Mass production

<<Package>>

package_ALL [GRIC2CHa_pk]

D1965406S Ver. 14.00 -> D1965406T Ver. 15.00

<<Separate>>

System/Copy [GRIC2a_system]

D1965400S Ver. 1.15 -> D1965400W Ver. 1.18.1

Fax [GRIC2a_fax]

D1965784H Ver. 07.00.00 -> D1965784K Ver. 09.00.00

RemoteFax [GRIC2a_fax2]

D1965785E Ver. 04.00.00 -> D1965785F Ver. 05.00.00

Scanner [GRIC2a_scn]

D1965787L Ver. 01.19 -> D1965787P Ver. 01.22

Web Support [GRIC2a_web]

D1965788K Ver. 1.12 -> D1965788L Ver. 1.13

Network Support [GRIC2a_net]

D1965792J Ver. 15.27.1 -> D1965792M Ver. 15.30

NetworkDocBox [GRIC2a_netfile]

D1965793H Ver. 1.06 -> D1965793J Ver. 1.07

Printer [GRIC2d_printer]

D1965778N Ver. 1.11 -> D1965778P Ver. 1.12

Printer [GRIC2e_printer]

D1965794N Ver. 1.11 -> D1965794P Ver. 1.12

PCL [GRIC2d_prt_PCL]

D3AB5705D Ver. 1.04 -> D3AB5705E Ver. 1.05

PCL [GRIC2e_prt_PCL]

D2145796D Ver. 1.04 -> D2145796F Ver. 1.06

M2a_System [M2a_System]

D2411425B Ver. 1.25 -> D2411425F Ver. 1.27.2

M2a_LegacyUI [M2a_LegacyUI]

D2411427T Ver. 1.17 -> D2411427Y Ver. 1.21

Application Site [M2a_zoo]

D2411467J Ver. 1.05.01 -> D2411467K Ver. 1.05.02

M2a_ScnFldrHlpr [M2a_ScnFldrHlpr]

D1961448A Ver. 1.01 -> D1961448B Ver. 1.1.2

M2a_ICCdDisptch [M2a_ICCdDisptch]

D2411450C Ver. 2.12.06 -> -- Ver. --

<<Package>>

package_02 [GRIC2CHr_pk1]

D1965410M Ver. 9.00 -> D1965410N Ver. 10.00

<<Separate>>

System/Copy [GRIC2a_system]

D1965400R Ver. 1.14 -> D1965400S Ver. 1.15

Scanner [GRIC2a_scn]

D1965787K Ver. 01.18 -> D1965787L Ver. 01.19

Web Support [GRIC2a_web]

D1965788J Ver. 1.11 -> D1965788K Ver. 1.12

Network Support [GRIC2a_net]

D1965792H Ver. 15.26 -> D1965792J Ver. 15.27.1

M2a_System [M2a_System]

D2411429A Ver. 1.24.1 -> D2411429B Ver. 1.25

M2a_LegacyUI [M2a_LegacyUI]

D2411427S Ver. 1.16 -> D2411427T Ver. 1.17

M2a_WLanguage [M2a_WLanguage]

D2411431H Ver. 1.06 -> D2411431J Ver. 1.09

M2a_SimpleCopy [M2a_SimpleCopy]

D2411443R Ver. 1.19 -> D2411443S Ver. 1.20

M2a_SimpleFAX [M2a_SimpleFAX]

D2411445P Ver. 1.14 -> D2411445Q Ver. 1.15

M2a_ICCdDisptch [M2a_ICCdDisptch]

D2411450B Ver. 2.12.05 -> D2411450C Ver. 2.12.06

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

[Create date] 2018/09/04

[Program Name] GWFCU3.8-9(WW)

[Version] 06.00.00

[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.] D2145786H

[File Information]

File Name D2145786H.fwu

File Type Module for Service

Size 3.94 MB (4129296 byte)

[File Information]

File Name D2145786H.rfu

File Type Module for Remote Upgrade

Size 3.95 MB (4137216 byte)

[Availability of RFU] Yes

[Production reflection] 2018/08

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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:]

Rank C

Symptom corrected:

- Message "FAX jobs will be full soon" may appear after continuously using the Remote FAX.
- If continuously used in this condition, message "FAX jobs are full" appears and Remote FAX function becomes disabled.

[Modification history]

Version 05.00.00

Symptom corrected:

- FAX cannot be sent with the status showing "processing" possibly followed by a SC843-02.
 - Communication error (code: 00-20/22) occurs, if the device is run on V.17 modulation and receives a fax containing many pages.
 - SC899/990/991 occurs after the machine recovers from Energy Saver Mode.
 - Message "FAX jobs will be full soon" may appear after continuously using the Remote FAX.
- If continuously used in this condition, message "FAX jobs are full" appears and Remote FAX function becomes disabled.

Version 04.00.00

Symptom corrected:

- The document cannot be sent and remains in the machine without an error message.

Version 03.00.00

Minor change.

Version 02.00.00

Other Changes:

Supported RICOH SmartSDK v2.12.

Version 01.00.00

1st Mass production

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

[Create date] 2018/04/13

[Program Name] Scanner

[Version] 01.22

[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(all)

[Firmware No.] D1965787P

[File Information]

File Name D1965787P.fwu

File Type Module for Service

Size 2.23 MB (2341804 byte)

[File Information]

File Name D1965787P.rfu

File Type Module for Remote Upgrade

Size 2.24 MB (2347264 byte)

[Availability of RFU] Yes

[Production reflection] 2018/04

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

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- If the log capture function is enabled when scanning with the SmartSDK application, cancelling the scan job while the preview is displayed might cause the information of the captured image file to be recorded incorrectly.

[Modification history]

Version 01.21

Rank C

Symptom corrected:

- When many scan jobs are scanned from an application that is based on SmartSDK under the following conditions, an error might be displayed and the device might not be able to scan until the device is rebooted:
 - "User Authentication" is enabled.
 - "Download File Directly From URL Link" is enabled.
 - "File Emailing Method" is set to "Send URL Link".
 - "OCR setting" is enabled.
- Under the following conditions, when scanning a document with the OCR setting configured that consists of only blank pages or is not the original document, an SC899 error might occur:
 - User authentication is enabled.
 - In OCR settings, "Delete Blank Page" is enabled.
 - "Download File Directly From URL Link" is set to "On".
 - Scanner Features > File Emailing Method is set to either of the following:
 - Set to "Send URL Link".
 - Set to "Auto Detect" and specify the URL when scanning.
 - Set to "Set by User" and the data size of the scanned result exceeds the sending-size limit.
- When scanning is conducted repeatedly from a SmartSDK application that enables image log capture, the captured image file is not deleted and remains on the hard disk.
- When OCR is set and a document over 51 pages is sent by Scan to Email, sending might fail.
- When OCR is set and a document over 256 pages is scanned, the Scanner application might freeze or SC997 might occur.
- When scanning from SmartSDK applications, files are stored in PDF/A format even when trying to store the files in TIFF/JPEG format.
- The image logs of jobs scanned by GlobalScan NX might not be captured.
- If scanning while "Download File Directly from URL Link" is set to On, "Insert Additional Email Info" is set to Off, and OCR is enabled, an SC899 error might occur after the original is scanned.

- The following bug was fixed again:
When the device is accessed from Web Image Monitor just before scanning is finished under the following conditions, the device cannot be logged out from even if "Logout" is pressed, and then the Scanner application cannot be used:
 - When user authentication is enabled.
 - When custom authentication, such as Card Authentication Package, is being used.
- When SP5-836-143 is enabled, the combination of "Black and White" and "High Compression PDF" can be selected even though it should not be selectable.

Version 01.20

Symptom corrected:

- When scanning by using the Smart Device Connector, if the cancel button is pressed while scanned data is being transferred, the device's scanner applications might not be able to be used.

Other changes:

- WebAPI for Smart Operation Panel applications supports SMBv3.

Version 01.19

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.15 (D1965400S)

Network Support v15.27.1 (D1965792J)

Web Support v1.12 (D1965788K)

Scanner v01.19 (D1965787L)

animation v2.06 (D1965790G)

Please refer to the RTB(No.RGene095) for details.

Version 01.18

Symptom corrected:

- When "Copy Server : Set Function" (SP5-967-001) is set to OFF on a printer that has an HDD installed, "Program Setting for Destinations" does not appear in Scanner Features.

Version 01.17

Other changes:

- When the Auto Logout timer is invoked can be changed:
SP5-401-230 bit7 = 1: When the job executed from the operation panel is completed.
SP5-401-230 bit7 = 0: When the user last had interaction with the panel.

Version 01.16

Symptom corrected:

1. When "Download File Directly From URL Link" is enabled and scan to URL is conducted 100 times or more, the scan job might fail.
2. When a scan job is conducted from "Simplified Scrn." under the following conditions, the files for that job cannot be deleted from the temporary memory after the job has been sent:
 - User Authentication is enabled.
 - "Download File Directly From URL Link" is enabled.
 - "File Emailing Method" is set to "Send URL Link" or "Auto Detect".

Version 01.15

Other changes:

Supported RICOH SmartSDK v2.12.

Symptom corrected:

When a large number of destinations are set in either of the following applications, it might take 10 seconds or more for the paper to be fed:

- Quick Scanner
- Quick Fax
- Scanner
- Fax

Version 01.14

Symptom corrected:

When the Capture Setting and User Code authentication are enabled, the scanned images from some applications are recorded in the log with the wrong user name or are not recorded.

Version 01.13

Other changes:

1. GlobalScan NX v2 does not utilize the Remove Blank Pages function when creating a searchable PDF by using the OCR Unit.
2. The scanned size is incorrect when configuring a decimal point in the inches value for the GlobalScan NX v2 custom size function.

Version 01.12

Symptom corrected:

1. When opening a program after Simple Screen has been applied on the home screen, the program settings are not retrieved.
2. Max. Email Size for scanner send settings cannot be configure via DMNX.

Version 01.11

Specification Change:

- Supported RICOH SmartSDK v2.10.

Symptom corrected:

1. When user code authentication is set on the device, an authentication error occurs when using an application based on the SmartSDK.
2. When scanning with "Hungarian" or "Polish" selected under "Cognitive Language" in "OCR Settings", if the value of a Unicode character exceeds 256, then the character will be converted to a question mark ("?").

This firmware is dependent on the following firmware module. Please be sure to update it:

- System/Copy firmware: v1.02 or later

Version 01.10

1st Mass production

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*** Basic Information ***
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[Create date] 2018/01/30

[Program Name] Web Support

[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.] D1965788L

[File Information]

File Name D1965788L.fwu

File Type Module for Service

Size 6.97 MB (7311672 byte)

[File Information]

File Name D1965788L.rfu

File Type Module for Remote Upgrade

Size 6.98 MB (7319808 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

Symptom corrected:

- Fixed the wording of gRemote Panel Operation h in the menu of the Web Image Monitor.

[Modification history]

Version 1.12

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.15 (D1965400S)

Network Support v15.27.1 (D1965792J)

Web Support v1.12 (D1965788K)

Scanner v01.19 (D1965787L)

animation v2.06 (D1965790G)

Please refer to the RTB(No.RGene095) for details.

Version 1.11

Other changes:

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

Version 1.10

Other changes:

- Added an SP setting for enabling or disabling the "Screen Monitoring" function.
SP5-885-205: default = 0 ("Screen Monitoring" is enabled)

This firmware is dependent on System/Copy firmware v1.11 (D1965400N)
or later, so please be sure to update that firmware as well.

Version 1.09

Other changes:

1. Added a setting to be able to set a notification sound when a received fax has finished printing.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- CheetahSystem firmware: v1.12 or later (D2411420M)
- LegacyUI firmware: v1.09 or later (D2411427K)

2. Added support for adhering to the Lot 6 regulation of the EU in European devices.

Version 1.08

Other changes:

Minor bug correction.

Version 1.07

Other changes:

- Minor bug correction.

Version 1.06

Symptom corrected:

1. When the following settings are enabled, print jobs that have been conducted are not displayed on the job history screen:
 - On the operation panel: User Tools > Printer Features > System tab > Store and Skip Errored Job
 - In Web Image Monitor: Device Management > Configuration > Printer > Basic Settings > Store and Skip Errored Job
2. When user code authentication is enabled, if a user logs in to Web Image Monitor after logging in on the operation panel, the login screen for user code authentication will be displayed again on the operation panel.
3. When using the "Central Management" feature, the settings of the client devices might not synchronize to the latest settings on the server.

This firmware is dependent on System/Copy firmware v1.07(D1965400J) or later, so please be sure to also update that firmware.

Version 1.05

Symptom corrected:

- When checking versions of applications in Web Image Monitor, all application statuses are displayed in reverse. To check the versions of applications, navigate to "Device Management", go to "Configuration", and click "Firmware Update".

Version 1.04

1st Mass production

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*** Basic Information ***
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[Create date] 2017/08/09

[Program Name] NAND FLASH

[Version] Q0310E

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Special Modification

[Release category] Temporary Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2055599

[File Information]

File Name D2055599.fwu

File Type Module for Service

Size 0.20 MB (207556 byte)

[File Information]

File Name D2055599.rfu

File Type Module for Remote Upgrade

Size 0.20 MB (213248 byte)

[Availability of RFU] Yes

[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:

- SC672-11 occurs after System Reset at the certain machines manufactured between Aug 2016 and Apr 2017.

Note:

System reset is performed in the following cases.

- 1) During SDK application installation.
- 2) After RFU/ARFU.
- 3) The # and * keys are pressed together for 10 seconds
- 4) Others (HDD format, remote reboot from WIM)

Important:

This firmware "NAND FLASH" can not be installed unless the System/Copy is upgraded to the following version or later, then please be sure to update System/Copy before install NAND Flash.

COR-C1 : 1.19 (D2025550X)

COR-C1(SOP): 1.19 (D2015550W)

GRI-C2 : 1.14 (D1965400R)

LEF-C1 : 1.11 (D2595552M)

Z-P2a : 1.02 (M2575735B)

Z-P2b : 1.05 (M2575731D)

[Modification history]

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*** Basic Information ***
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[Create date] 2017/08/23

[Program Name] animation

[Version] 2.06

[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.] D1965790G

[File Information]

File Name D1965790G.fwu

File Type Module for Service

Size 10.38 MB (10884148 byte)

[File Information]

File Name D1965790G.rfu

File Type Module for Remote Upgrade

Size 10.39 MB (10891520 byte)

[Availability of RFU] Yes

[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:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.15 (D1965400S)

Network Support v15.27.1 (D1965792J)

Web Support v1.12 (D1965788K)

Scanner v01.19 (D1965787L)

animation v2.06 (D1965790G)

Please refer to the RTB(No.RGene095) for details.

[Modification history]

Version 2.05

Other Changes:

Added support for adhering to the Lot 6 regulation of the EU in European devices.

Version 2.04

Symptom corrected:

Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 2.03

Other changes:

Support for Application Site version F1.

Version 2.02

Software bug fixed

Version 2.01

1st Mass production

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*** Basic Information ***
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[Create date] 2017/11/27

[Program Name] Scan to Folder Helper

[Version] 1.1.2

[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.] D1961448B

[File Information]

File Name D1961448B.zip

File Type Module for Service

Size 3.57 MB (3741248 byte)

[Availability of RFU] No

[Production reflection] 2017/09

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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:]

Other changes

- Newly added SMBv2/v3 support.

[Modification history]

Version 1.01

Specification Change:

- Added support for the Korean language.

Symptom Corrected:

- If an invalid IP address was set as the destination in Scan to Folder Helper and the Home key is pressed while the IP address is being accessed, when the application is reopened, the application will stall when the Next button is pressed.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2017/11/24

[Program Name] Engine

[Version] 1.13:03

[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.] D1965775J

[File Information]

File Name D1965775J.fwu

File Type Module for Service

Size 7.94 MB (8324220 byte)

[File Information]

File Name D1965775J.rfu

File Type Module for Remote Upgrade

Size 7.95 MB (8331520 byte)

[Availability of RFU] Yes

[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:]

Symptom Corrected:

- If the right cover of the optional paper feed unit is opened and closed just after finishing printing or during warming up, "Please Wait" might be displayed or the fusing SC might occur.

[Modification history]

Version 1.12:03

Symptom Corrected:

- SC374 may occur after recovery from toner end.
- Firmware update does not complete when updated via RFU.

Version 1.11:03

Symptom corrected:

If scanned using the TWAIN driver set with a resolution higher than 600dpi after changing the scan area, the scanned image may be shifted or an abnormal image may appear.

Version 1.10:03

Specification Change:

Minor change related to Domestic models.

Version 1.09:03

Symptom corrected:

Minor bug fixed.

Version 1.08:03

Symptom corrected:

Minor bug correction.

Version 1.07:03

Symptom corrected:

- PM counter of the replaced unit may not be cleared.
- When the ADF attempts to resume scanning after an interruption, the system stalls.
- The machine does not recover, if it detects toner that is not a

Ricoh genuine toner.

Other change:

- The default temperatures of PCDU and laser unit fan were changed as follows:
 - SP1-955-001 (PCDU Fan Operation SW Temp.) 32->38
 - SP1-955-004 (Laser Unit Fan Operation SW Temp.) 32->38

Version 1.06:03
1st Mass production

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*** Basic Information ***
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[Create date] 2017/11/24

[Program Name] RemoteFax

[Version] 05.00.00

[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.] D1965785F

[File Information]

File Name D1965785F.fwu

File Type Module for Service

Size 1.54 MB (1609656 byte)

[File Information]

File Name D1965785F.rfu

File Type Module for Remote Upgrade

Size 1.54 MB (1614080 byte)

[Availability of RFU] Yes

[Production reflection] 2017/10

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

[Program Name] RemoteSupportService

[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.] D1961459C_forEDC

[File Information]

File Name D1961459C_forEDC.zip

File Type Module for Service

Size 0.21 MB (218832 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

If the RemoteConnect Support is enabled, the following information will be sent to the Web Help proxy server when the device powers on or resumes operation from energy-saving mode.

- Serial number
- Model type
- Model name
- Display language
- Date

The RemoteConnect Support start button and status are now displayed on the Check Status screen if enabled.

[Modification history]

Version 1.0.2

Rank C

Other changes:

New model supported.

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] 2018/12/18

[Program Name] System/Copy

[Version] 1.23

[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.] D1965401A

[File Information]

File Name D1965401A.fwu

File Type Module for Service

Size 30.44 MB (31918888 byte)

[File Information]

File Name D1965401A.rfu

File Type Module for Remote Upgrade

Size 30.45 MB (31924480 byte)

[Availability of RFU] Yes

[Production reflection] 2018/12

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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:]

Rank C

Symptom corrected:

- SC687 might be displayed if a user restarts a mass print job when the machine is in the following state.
 - Stop key is pressed
 - Cover Open
 - Toner-End comes
 - JAM happens
- Image log might not be sent and stay in the device.
- SC 998 may occur in case that user performs "Export Device Setting Information" from Web Image Monitor when the device is in energy-saving mode.
- Copy application and FAX application might not start when pressing these application icons.
- Login might fail and the application icon might not be displayed.
- Image log might not be sent and stay in the device.

Other changes:

- Added html format for Scan to Email function.

[Modification history]

Version 1.22

Rank C

Symptom corrected:

- An SC error might occur when scanning with AirPrint, WSD-Scanner, or DSM.
- Installation of the Cheetah application from the Web Image Monitor fails when the SSL encryption level is set to "Ciphertext Priority" or "Ciphertext Only".
- Device might not be rebooted automatically after installing remotely an application to SOP.
- The machine might stall when executing SP5-858-122 and SP5-585-111
- Preview screen of a print job on Enhanced Locked Print might freeze, when the page is repeatedly moved.
- When a capture and a thumbnail or preview are processed at the same time, the capture might not be processed normally if the capture setting is enabled and the Media Link Board is installed.
- When the capture function (SP5-836-001) is enabled, if the user stops the copying and then logs out while the "Stop key has been pressed" message is displayed, the screen might freeze if the user then tries to log back in.

Other changes:

- Supported RICOH SmartSDK v2.50.
- Supported RICOH SmartSDK v2.60.
- A minor change only for the Japanese model.

Version 1.21

Rank C

Symptom corrected:

- Remote installation of a SOP application while a user is logged into the device might fail.
- Remote un-installation for Streamline NX might fail.
- When using Windows authentication, LDAP authentication, or external authentication, if exporting the address book from Device Manager NX, the export data cannot be imported.
- When the device is using "Card Authentication Package" or another custom authentication and then the following fields on the server are blank, the fields in the address book on the device might not be overwritten:
 - Email address
 - FAX address
 - Folder address
- The following symptoms might occur when executing:
 1. SP5-846-051 (Backup All Addr Book)
 - A backup failure message might appear.
 2. SP5-846-052 (Restore All Addr Book)
 - SC899 might occur.
 - The machine might stall.

Version 1.20
Rank C

Symptom corrected:

- Kerberos authentication might take time because the TCP timestamp starts with a zero.
- Printer capture data might not be sent when printing a blank page if the capture function is enabled.

Version 1.19
Rank D

Minor changes were applied for the Japanese domestic model.

Version 1.18.1
Rank C

Symptom corrected:

- The operation panel might stall if the machine repeatedly goes into and out of STR mode.
- If some characters are included in a user name, login authentication is not correctly done.
- The quota notification cannot be displayed on some SmartSDK applications.
- If a jam occurs on the first page of a job on a machine set with user code authentication and then, the start button and log-out button are pressed together, the start button becomes ineffective.
- The operation panel may freeze, if the Start button is pressed in copy mode immediately after recovering from the energy saver mode.
- When the device has just gone into energy saver mode, even if a

- copy job is sent from a SmartSDK application, copying does not start.
- If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.
 - When JavaVM is not enabled and only IPv6 is enabled, the list of installed applications is not displayed in Extended Feature Info on the Web Image Monitor.
 - The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.

Other changes:

- Added a new feature for the SmartSDK WebAPI.
- Supported RICOH SmartSDK v2.50

Version 1.17

Rank C

Symptom corrected:

- When the authentication setting is adjusted for each application, SC998 or SC991 might be displayed.

Version 1.16

Symptom corrected:

- Operations might be double counted in the SLNX user usage reports.

Version 1.15

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.15 (D1965400S)

Network Support v15.27.1 (D1965792J)

Web Support v1.12 (D1965788K)

Scanner v01.19 (D1965787L)

animation v2.06 (D1965790G)

Please refer to the RTB(No.RGene095) for details.

Version 1.14

Symptom corrected:

- SC998 may occur when powering on, if an ESA application is set as a function priority.
- SC871-01(FCU Error) may occur after recovering from sleep mode.
- If a user ID is input manually and then an IC card of a different user is hovered over the card reader, the user ID manually input is overwritten with the user ID of the IC card.
- User usage restrictions do not come into effect if authentication is enabled in Quick Card Authentication
- If user authentication is set to something other than User Code, the Eco information screen might not be displayed at the expected timing when a user logs in.

- Cannot refer to the address book in the Simple Fax or Simple Copy applications under the following conditions:
 - Address book usage or registration restrictions are enabled
 - Administrator setting restrictions are enabled
- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- After sending mail including the URL link of a PDF file scanned by OCR, when the device is turned off and on, the PDF file is not able to be accessed by clicking on the URL.
- When the device is using "Card Authentication Package" or another custom authentication and then the following fields on the server are blank, the fields in the address book on the device might not be overwritten:
 - Email address
 - FAX address
 - Folder address
- If the preview setting is set to ON in SmartSDK scanner applications, aborting while scanning might cause SC990 and SC991 to occur.

Specification change:

- Change in toner near end alert message
 - Before: Toner Cartridge is almost empty. Check toner cartridge replacement(s).
 - After: Check you have a toner cartridge replacement(s).
 - Current toner cartridge can be used until the replacement alert.

Other changes:

- Supported RICOH SmartSDK v2.40.
- Added the function to set user usage restrictions for each application.
- Supported the Remote Panel Operation.
 - Multiple firmware modules are required to use Remote Panel Operation.
 - Please refer to GKM Answer ID 251361 for detailed information regarding required firmware.

Version 1.13

Symptom corrected:

- A true/false based API control was added to check the capability of Scan and FAX.
- After entering the user code to start up the Copy application, the user code input screen does not disappear.
- Pressing an application on the touch panel very soon after going into Energy Saver mode might cause the device to stall on the "Please Wait" screen.

Other changes:

- When the Auto Logout timer is invoked can be changed:
 - SP5-401-230 bit7 = 1: When the job executed from the operation panel is completed.
 - SP5-401-230 bit7 = 0: When the user last had interaction with the panel.

Version 1.12

Specification change:

- More languages supported for the smart operation panel.

- When executing a Firmware configuration task via Device Manager NX Pro/Enterprise, an RFU package with the appropriate destination (USA/Europe/Asia/Korea/Taiwan model or China model) can be selected and downloaded from the RICOH Global Server.

Symptom Corrected:

- SC819 may occur, if the auto log-out timer and the energy saving timer are set to the same value.
- Machine may stall, if shut down by the Weekly Timer.
- Error 22 may occur during ARFU.
- Error message appears, if the Home button is pressed while the screen is displaying the Current Job tab in Check Status.
- If the authentication setting is changed while logging in and the Finish key is pressed from the System Settings menu, the System Settings menu appears instead of the home screen.
- SC819 may occur after removing a jam that occurred while printing a large job that fully consumes the printer memory.
- Remote authentication fails on a device set with the Quick Card Authentication enabled, if the printer is asleep.
- If logged in using CAP and the device enters Energy Save mode, the device may stall and logging out will fail.
- SC899 may occur when rebooting after updating a firmware.

Version 1.11

Other changes:

- Added an SP setting for enabling or disabling the "Screen Monitoring" function.
SP5-885-205: default = 0 ("Screen Monitoring" is enabled)

This firmware is dependent on Web Support firmware v1.10 (D1965788H) or later, so please be sure to update that firmware as well.

- To enable quicker the detection time and shut down time when SC670 occurs.

Symptom corrected:

- SC899 may occur after updating with the packaged firmware.
- If the device enters Energy Save Mode after automatically logging out an account, the device might stall when IC card authentication is used to recover from Energy Save Mode.
- Connection error message may appear mistakenly on @Remote connected machines.
- Connection may fail if entering and recovering from energy saving mode is repeated without power OFF/ON on @Remote connected machines.
- Log in screen cannot be displayed after reboot device installed StreamlineNX.
- SC991/SC899 may occur or stall may occur during use of application on @Remote connected machines.

Version 1.10

Specification Change:

- Added support for adhering to the Lot 6 regulation of the EU in European devices.

Symptom Corrected:

- The response of the operation panel becomes slow, if frequently accessed to the HDD from the panel.

Version 1.09

Specification Change:

- The font used for some of the screens displayed on the operation panel was changed.

Error Correction:

- Error occurs, if new addresses are continuously registered to the address book using Smart SDK.

Symptom corrected:

- Installation of the SLNX Hybrid mode application may not be completed.

Version 1.08

Symptom corrected:

- The legacy Fax icon is falsely replaced with the Simple Fax icon on the home screen.
- The correct error code is not displayed on the operation panel, if logged in by a user who is unregistered in the address book using an external authentication when the address book is full.
- The dialog box indicating "Enter the password" is duplicated when attempted to log in with IC card authentication.
- SC819 occurs when printing particular files.
- The Smart Operation Panel v2.0 application for GR-C2 was made common with that of Lef-C1 and later models.

Other changes:

- Support for Application Site version F2.

Version 1.07

Specification Change:

1. The firmware currently installed will not be downgraded even if having installed a package firmware that contains a firmware that is older than the current version.

Symptom Corrected:

1. Job history is not displayed, if the "Store and Skip Error Job" function is enabled (default: Off) in Printer Features.
2. If turning ON the power with SP5-758-001(Remote UI Setting Authentication) is set to "1", SC673-10 may appear with the LED lighting in red.
3. If "Quick Card Authentication" has been installed with SP5-401-240 (Access Control Detail Option) Bit 0 set to "0" (default: 1) and then uninstalled, log-out confirmation screen does not appear.
4. SC899 may occur during a remote firmware update (RFU), if the SD card for FW update is removed without turning OFF the machine power.
5. Fax received is not printed and forwarded to the folder, if "Forwarding setting of Reception File Setting" is enabled.
6. If a user is registered to CAP V2 with the same user name as the device administrator (admin), the user can be used to manually log in to the device if case insensitivity is set.
7. If a user selects a language in the user properties via the SLNX

screen, if the language is not registered in "Switchable Languages of Screen Features", SC991 will be displayed.

8. When user code authentication is enabled, if a user logs in to Web Image Monitor after logging in on the operation panel, the login screen for user code authentication will be displayed again on the operation panel.
9. When using the "Central Management" feature, the settings of the client devices might not synchronize to the latest settings on the server.
10. Under some conditions, the login screen may not be displayed on the device if SLNX is installed.

This firmware is dependent on Web Support firmware v1.06(D1965788D) or later, so please be sure to update it.

Other changes:

1. Supported RICOH SmartSDK v2.12.
2. Support for Application Site version F1.
3. An interface for remotely obtaining the SmartSDK and Java VM version information and for remotely enabling Java VM has been added.

Version 1.06

Other changes:

Cheetah hybrid applications and native applications can be installed from Web Image Monitor.

To support this function, all of the following versions of firmware modules need to be installed:

- Cheetah System firmware v1.06 (D1961400F/D1961401F) or later*
- System/Copy firmware v1.06 (D1965400H) or later
- Java VM firmware v12.20.04 (D2145799D) or later

*The Cheetah System firmware for China is different than the one for other countries. Please use the appropriate firmware depending on your region.

Symptom corrected:

- When a Cheetah hybrid application that does not have a Part Number is installed, if the Product ID exceeds nine characters, the remaining characters will not be displayed in Web Image Monitor.
- SmartSDK cannot be disabled even though SP5-848-025 is enabled.
- If an email sent by scan-to-email is opened in Office 365 cloud mail service, contents of the attached file may falsely appear in the body of the message with the characters corrupted.
- Device registration on @remote center server with 2048-bit certificate fails.
- If a user logs in using CAP after the machine recovers from Sleep mode, the login session/record of a previous user is reactivated. (RD196052)

NOTE: To fix this bug, install one of the following:

- This firmware (System/Copy firmware v1.06) or newer, OR
- CAP v2.2.601 or newer

Version 1.05

Other Changed:

- User code authentication does not work in applications that use Web Browser NX.
- Supported RICOH SmartSDK v2.12.

Symptom corrected:

- In the case that IC card authentication (EX: CAP v2) is used, the authentication dialog may not be displayed when starting the device.
- In the case that IC card authentication (EX: CAP v2) is used, print jobs cannot be deleted when selecting the "Delete all" button on the Job List after logging in to the device.
- In the case that CAP v2 is installed, it is possible to log in to the device even if authentication fails via an IC card when a print job is cancelled via the "Check Status" button.
- Paper mismatch error occurs even when "Auto Continue setting (User Tools>Machine Features>Printer Features>System)" is enabled.
- Machine cannot recover, if the Paper Feed Unit_PB1050_bank1 firmware is updated without the bank 1 installed.
- Guest user authentication logs are not deleted and remain as access logs.
- 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 install CheetahSystem firmware (D1961400E) or CheetahSystem(CHN) firmware (D1961401E).

Version 1.04

Symptom corrected:

1. When scanning an original containing multiple pages with the Twain driver, error (code: 36856) occurs on the client PC and scan stops midway.
2. The data may be lacked while Base64 decode process.
3. ASCII keyboard is opened when editing "name" after the short-cut registration of address from application.

Version 1.03

Minor bug fixed.

Version 1.02

Symptom corrected:

1. When the CTS protection function is enabled, the throughput for the wireless LAN connection is reduced.
2. Even if the device is configured to restrict users from registering a destination in the address book, as shown below, a user can still register a destination by using the Scan to Folder

Helper application:

- "System Settings > Administrator Tools > Extended Security > Restrict User of Destination(Fax)" set to "ON".
- "System Settings > Administrator Tools > Extended Security > Restrict User of Destinations(Scanner)" set to "ON".

3. When DHCP is enabled on the device, the IPv4 address that is displayed on the Check Status screen is "11.22.33.44". To see the IPv4 address:

- 1) Press the Check Status button.
- 2) Select the "Maintnc./Inquiry/Mach. Info" tab.
- 3) Check the information in "Machine Address Info".

4. If "AAM-E for 4.3 inch panel printer" included in SLNX or CAP v2 is installed to the device, users cannot log in to Web Image Monitor.

5. When an unnecessary authentication method is configured in the application-specific authentication setting of an SDK application, the icon is not displayed on the home screen in logout status.

6. When scanning with "Hungarian" or "Polish" selected under "Cognitive Language" in "OCR Settings", if the value of a Unicode character exceeds 256, then the character will be converted to a question mark ("?").

This firmware is dependent on the following firmware module.

Please be sure to update it:

- Scanner firmware: v01.11 or later

7. SC819

8. Operation panel does not function, if the Eco-friendly Counter Period / Administrator Message option is set to "Do not Count" after executing SP5801-3 (SCS Memory Clear).

9. While scanning, the system falsely executes System Auto Reset and returns to home screen.

Other Changes:

1. The maximum data transmission speed has been changed to 130 Mbps because 40-MHz wireless LAN bandwidth is no longer supported.

2. Supported RICOH SmartSDK v2.10.

3. In response to concerns regarding vulnerability, the SSL/TLS setting in the MFP matches that in the @Remote connection.

Explanation:

The MFP connects to the @Remote center server by using the TLS 1.1 or lower-level protocol, which is not selectable from the customer site. This specification change allows the CE and the customer to select the available protocol between the MFP and @Remote center server by changing the SSL/TLS setting via Web Image Monitor.

Important notes:

Before updating the firmware, please check the SSL/TLS setting and

allow the following security level for each case. Otherwise, the @Remote service cannot be provided:

[For embedded type]

- Allows TLS 1.1 or lower-level
- We are currently preparing the TLS 1.2 connection on the @Remote center server. The scheduled date of completion will be announced soon.
- This will change when preparation at the @Remote center server is complete.

[For RC Gate A1]

- Allows TLS 1.0 or lower-level

[For RC Gate]

- Allows SSL 3.0

Version 1.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/10/31

[Program Name] Fax

[Version] 10.00.00

[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.] D1965784L

[File Information]

File Name D1965784L.fwu

File Type Module for Service

Size 2.53 MB (2650420 byte)

[File Information]

File Name D1965784L.rfu

File Type Module for Remote Upgrade

Size 2.54 MB (2658560 byte)

[Availability of RFU] Yes

[Production reflection] 2018/10

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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 B

Other changes:

- Minor bug fixes.

[Modification history]

Version 09.00.00

Rank C

Symptom corrected:

- When Hook Dial is pressed or when Manual Entry is selected, the SmartFax application might crash.

Version 08.00.00

Symptom corrected:

- The printing and capturing of received faxes is stopped and the fax application screen might freeze when receiving faxes intermittently from multiple lines if the fax reception capturing function is enabled.

Version 07.00.00

Symptom corrected:

- The fax function cannot be used after recovering from the energy saver mode.

Version 06.00.00

Symptom corrected:

- Cannot exit from job stop screen and FAX function does not work, if the SNTP time setting and STR setting are enabled.
- Fax application may stall when recovering from energy saving mode.

Other changes:

- When the Auto Logout timer is invoked can be changed:
SP5-401-230 bit7 = 1: When the job executed from the operation panel is completed.
SP5-401-230 bit7 = 0: When the user last had interaction with the panel.

Version 05.00.00

Symptom corrected:

- If logged in with user authentication, FAX settings for Auto Print FAX Journal (SWUSR_03, bit7) and setting whether or not to include sender name in reports (SWUSR_04, bit5) may change after logging out.
- SC899 may occur when logging out from a machine with the user authentication enabled.

Version 04.00.00

Other Changes:

Added support for adhering to the Lot 6 regulation of the EU in European devices.

Version 03.00.00

Change:

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 02.00.00

Other Changes:

Supported RICOH SmartSDK v2.12.

Version 01.00.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/10/31

[Program Name] RemoteFax

[Version] 06.00.00

[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.] D1965785G

[File Information]

File Name D1965785G.fwu

File Type Module for Service

Size 1.54 MB (1610828 byte)

[File Information]

File Name D1965785G.rfu

File Type Module for Remote Upgrade

Size 1.54 MB (1618176 byte)

[Availability of RFU] Yes

[Production reflection] 2018/10

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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 document receipt by Mail to Print function might not be printed, in case the device receives the document at either of the followings conditions;
- 1) The device is turned on, but the booting procedure is not completed.
- 2) The device is rebooted after SC, and the dialog of reboot is displayed on the device.
- 3) The device is printing the document through Enhanced Locked Print.

[Modification history]

Version 05.00.00

Symptom corrected:

- A sending error might occur with PC-FAX.
- Cannot receive an IP-Fax(SIP) transmitted from a Canon machine.
- Cannot send, receive, or print the transmitted fax if the sending machine disconnects during IP-FAX transmission.

Version 04.00.00

Symptom Corrected:

SC899 may occur when receiving IP FAX.

Version 03.00.00

Other Changes:

Added support for adhering to the Lot 6 regulation of the EU in European devices.

Version 02.00.00

Symptom corrected:

SC899 may occur when making an entry in the address book using Speedoc.

Version 01.00.00

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/05

[Program Name] Scanner

[Version] 01.23

[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.] D1965787Q

[File Information]

File Name D1965787Q.fwu

File Type Module for Service

Size 2.24 MB (2349700 byte)

[File Information]

File Name D1965787Q.rfu

File Type Module for Remote Upgrade

Size 2.25 MB (2355456 byte)

[Availability of RFU] Yes

[Production reflection] 2018/10

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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:

- Supported RICOH SmartSDK v2.60.
- Minor bug fixes.

[Modification history]

Version 01.22

Rank C

Symptom corrected:

- If the log capture function is enabled when scanning with the SmartSDK application, cancelling the scan job while the preview is displayed might cause the information of the captured image file to be recorded incorrectly.

Version 01.21

Rank C

Symptom corrected:

- When many scan jobs are scanned from an application that is based on SmartSDK under the following conditions, an error might be displayed and the device might not be able to scan until the device is rebooted:
 - "User Authentication" is enabled.
 - "Download File Directly From URL Link" is enabled.
 - "File Emailing Method" is set to "Send URL Link".
 - "OCR setting" is enabled.
- Under the following conditions, when scanning a document with the OCR setting configured that consists of only blank pages or is not the original document, an SC899 error might occur:
 - User authentication is enabled.
 - In OCR settings, "Delete Blank Page" is enabled.
 - "Download File Directly From URL Link" is set to "On".
 - Scanner Features > File Emailing Method is set to either of the following:
 - Set to "Send URL Link".
 - Set to "Auto Detect" and specify the URL when scanning.
 - Set to "Set by User" and the data size of the scanned result exceeds the sending-size limit.
- When scanning is conducted repeatedly from a SmartSDK application that enables image log capture, the captured image file is not deleted and remains on the hard disk.
- When OCR is set and a document over 51 pages is sent by Scan to Email, sending might fail.
- When OCR is set and a document over 256 pages is scanned, the Scanner application might freeze or SC997 might occur.
- When scanning from SmartSDK applications, files are stored in PDF/A format even when trying to store the files in TIFF/JPEG format.
- The image logs of jobs scanned by GlobalScan NX might not be captured.
- If scanning while "Download File Directly from URL Link" is set to

On, "Insert Additional Email Info" is set to Off, and OCR is enabled, an SC899 error might occur after the original is scanned.

- The following bug was fixed again:

When the device is accessed from Web Image Monitor just before scanning is finished under the following conditions, the device cannot be logged out from even if "Logout" is pressed, and then the Scanner application cannot be used:

- When user authentication is enabled.
- When custom authentication, such as Card Authentication Package, is being used.
- When SP5-836-143 is enabled, the combination of "Black and White" and "High Compression PDF" can be selected even though it should not be selectable.

Version 01.20

Symptom corrected:

- When scanning by using the Smart Device Connector, if the cancel button is pressed while scanned data is being transferred, the device's scanner applications might not be able to be used.

Other changes:

- WebAPI for Smart Operation Panel applications supports SMBv3.

Version 01.19

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.15 (D1965400S)

Network Support v15.27.1 (D1965792J)

Web Support v1.12 (D1965788K)

Scanner v01.19 (D1965787L)

animation v2.06 (D1965790G)

Please refer to the RTB(No.RGene095) for details.

Version 01.18

Symptom corrected:

- When "Copy Server : Set Function" (SP5-967-001) is set to OFF on a printer that has an HDD installed, "Program Setting for Destinations" does not appear in Scanner Features.

Version 01.17

Other changes:

- When the Auto Logout timer is invoked can be changed:
SP5-401-230 bit7 = 1: When the job executed from the operation panel is completed.
SP5-401-230 bit7 = 0: When the user last had interaction with the panel.

Version 01.16

Symptom corrected:

1. When "Download File Directly From URL Link" is enabled and scan to URL is conducted 100 times or more, the scan job might fail.
2. When a scan job is conducted from "Simplified Scrn." under the following conditions, the files for that job cannot be deleted from the temporary memory after the job has been sent:
 - User Authentication is enabled.
 - "Download File Directly From URL Link" is enabled.
 - "File Emailing Method" is set to "Send URL Link" or "Auto Detect".

Version 01.15

Other changes:

Supported RICOH SmartSDK v2.12.

Symptom corrected:

When a large number of destinations are set in either of the following applications, it might take 10 seconds or more for the paper to be fed:

- Quick Scanner
- Quick Fax
- Scanner
- Fax

Version 01.14

Symptom corrected:

When the Capture Setting and User Code authentication are enabled, the scanned images from some applications are recorded in the log with the wrong user name or are not recorded.

Version 01.13

Other changes:

1. GlobalScan NX v2 does not utilize the Remove Blank Pages function when creating a searchable PDF by using the OCR Unit.
2. The scanned size is incorrect when configuring a decimal point in the inches value for the GlobalScan NX v2 custom size function.

Version 01.12

Symptom corrected:

1. When opening a program after Simple Screen has been applied on the home screen, the program settings are not retrieved.
2. Max. Email Size for scanner send settings cannot be configured via DMNX.

Version 01.11

Specification Change:

- Supported RICOH SmartSDK v2.10.

Symptom corrected:

1. When user code authentication is set on the device, an authentication error occurs when using an application based on the SmartSDK.
2. When scanning with "Hungarian" or "Polish" selected under "Cognitive Language" in "OCR Settings", if the value of a Unicode character exceeds 256, then the character will be converted to a question mark ("?").

This firmware is dependent on the following firmware module. Please be sure to update it:

- System/Copy firmware: v1.02 or later

Version 01.10

1st Mass production

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*** Basic Information ***
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[Create date] 2018/12/07

[Program Name] Web Support

[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.] D1965788N

[File Information]

File Name D1965788N.fwu

File Type Module for Service

Size 6.98 MB (7323828 byte)

[File Information]

File Name D1965788N.rfu

File Type Module for Remote Upgrade

Size 6.99 MB (7332096 byte)

[Availability of RFU] No

[Production reflection] 2018/12

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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:]

Rank C

Symptom corrected:

- The XSS vulnerability of screens in the Address Book that was pointed out in CVE-2018-15884 has been fixed.
- Ricoh devices already had a countermeasure to protect against the CSRF vulnerability pointed out in CVE-2018-15884.

Other changes:

- Added html format for Scan to Email function.

[Modification history]

Version 1.14

Rank C

Other changes:

- The following values can be set with solution software that uses SOAP I/F.
- "SNMPv3 Setting"
 - SNMPv3 Trap Communication
 - Encryption Algorithm
 - Permit SNMPv3 Communication
- "Program/Change Administrator"
 - Encryption Password

Version 1.13

Rank C

Symptom corrected:

- Fixed the wording of "Remote Panel Operation" in the menu of the Web Image Monitor.

Version 1.12

Other changes:

- Newly added SMBv2/v3 support.
- This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.15 (D1965400S)

Network Support v15.27.1 (D1965792J)

Web Support v1.12 (D1965788K)

Scanner v01.19 (D1965787L)

animation v2.06 (D1965790G)

Please refer to the RTB(No.RGene095) for details.

Version 1.11

Other changes:

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

Version 1.10

Other changes:

- Added an SP setting for enabling or disabling the "Screen Monitoring" function.
SP5-885-205: default = 0 ("Screen Monitoring" is enabled)

This firmware is dependent on System/Copy firmware v1.11 (D1965400N)
or later, so please be sure to update that firmware as well.

Version 1.09

Other changes:

1. Added a setting to be able to set a notification sound when a received fax has finished printing.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:
 - CheetahSystem firmware: v1.12 or later (D2411420M)
 - LegacyUI firmware: v1.09 or later (D2411427K)
2. Added support for adhering to the Lot 6 regulation of the EU in European devices.

Version 1.08

Other changes:

Minor bug correction.

Version 1.07

Other changes:

- Minor bug correction.

Version 1.06

Symptom corrected:

1. When the following settings are enabled, print jobs that have been conducted are not displayed on the job history screen:
 - On the operation panel: User Tools > Printer Features > System tab > Store and Skip Errored Job
 - In Web Image Monitor: Device Management > Configuration > Printer > Basic Settings > Store and Skip Errored Job
2. When user code authentication is enabled, if a user logs in to Web Image Monitor after logging in on the operation panel, the login screen for user code authentication will be displayed again on the operation panel.
3. When using the "Central Management" feature, the settings of the client devices might not synchronize to the latest settings on the server.

This firmware is dependent on System/Copy firmware v1.07(D1965400J)
or later, so please be sure to also update that firmware.

Version 1.05

Symptom corrected:

- When checking versions of applications in Web Image Monitor, all application statuses are displayed in reverse. To check the versions of applications, navigate to "Device Management", go to "Configuration", and click "Firmware Update".

Version 1.04

1st Mass production

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*** Basic Information ***
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[Create date] 2018/10/31

[Program Name] animation

[Version] 2.07

[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.] D1965790H

[File Information]

File Name D1965790H.fwu

File Type Module for Service

Size 10.38 MB (10884520 byte)

[File Information]

File Name D1965790H.rfu

File Type Module for Remote Upgrade

Size 10.39 MB (10891520 byte)

[Availability of RFU] Yes

[Production reflection]

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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

Other changes:

- Minor bug fixes.

[Modification history]

Version 2.06

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.15 (D1965400S)

Network Support v15.27.1 (D1965792J)

Web Support v1.12 (D1965788K)

Scanner v01.19 (D1965787L)

animation v2.06 (D1965790G)

Please refer to the RTB(No.RGene095) for details.

Version 2.05

Other Changes:

Added support for adhering to the Lot 6 regulation of the EU in European devices.

Version 2.04

Symptom corrected:

Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 2.03

Other changes:

Support for Application Site version F1.

Version 2.02

Software bug fixed

Version 2.01

1st Mass production

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*** Basic Information ***

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[Create date] 2019/05/23

[Program Name] Network Support

[Version] 15.32.1

[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.] D1965792P

[File Information]

File Name D1965792P.fwu
File Type Module for Service
Size 10.23 MB (10726840 byte)

[File Information]

File Name D1965792P.rfu
File Type Module for Remote Upgrade
Size 10.23 MB (10731776 byte)

[Availability of RFU] Yes

[Production reflection] 2019/05

*** Note ***

[Note]

*** Important Notes ***

[Important Notes]

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*** Modification History ***

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[Modifications made:]

Rank C

Symptom corrected:

- There is a probability (1/256) that the SSL connection to the device will fail if the connecting component doesn't have a process to retry the SSL connection.
- The DHCP address renewal request might be discarded when the DHCP server is configured as a failover cluster.

Other changes:

- Supported RICOH SmartSDK v2.60
- It is now possible to close the following ports with a Telnet command:

111/tcp

111/udp

1022/tcp

1023/tcp

1022/udp

1023/udp

2049/tcp

18315/tcp

54080/tcp

54443/tcp

65000/tcp

65001/tcp

Please refer to the RTB (RGene108a) for more details.

[Modification history]

Version 15.31

Rank C

Symptom corrected:

- If the device has not being used a significant amount of times, functions that require a network connection might fail.
- When conducting Scan to Folder using SMBv2/v3, if the device receives UDP communication from the outside to the port used by SMBv2/v3, Scan to Folder might fail.

Version 15.30

Rank C

Symptom corrected:

- Fixed unnecessary processing affecting hard disk failure and deterioration.
- Unnecessary logs are recorded in the system logs when connecting

to the network through a wireless LAN.

- Fixed the WebAPI bug when obtaining the network property information.
- SC819 might occur after ARFU or RFU.
- The device might freeze during data transmission when conducting Scan to Folder with SMBv2/v3.
- When conducting Scan to Folder in a high-load network environment, the device's status gets stuck on sending and the scanner becomes unusable.

Other changes:

- The default value of "Algorithm Signature" has been changed from SHA1-RSA 2048 to SHA256-RSA 2048 when the device creates or requests a new device certificate.

Version 15.29

Rank C

Symptom corrected:

- SMB client timeout configuration is not correctly applied in the device.
- SC899 occurs when conducting Scan to Folder, and the device might automatically restart.
- When conducting Scan to Folder, if a host name is resolved to multiple IP addresses by NBNS, the device tries to connect to only the first resolved IP address.
- When a HP device is working on the same subnet, Scan to Folder will fail.
- Network browsing sometimes fails when conducting Scan to Folder.

Version 15.28

Symptom corrected:

- On a device with SMBv2/v3 firmware, when sending a scanned or fax document using the Hotfolder plug-in for GlobalScan or StreamlineNX, an "incorrect" document may be sent to the destination and may be lost the original document.

Version 15.27.1

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.15 (D1965400S)

Network Support v15.27.1 (D1965792J)

Web Support v1.12 (D1965788K)

Scanner v01.19 (D1965787L)

animation v2.06 (D1965790G)

Please refer to the RTB(No.RGene095) for details.

Version 15.26

Other Changes:

- Added APIs for SmartSDK that reads and writes SP values.

Version 15.25

Symptom Corrected:

- When the device is in Energy Saver Mode, if information about the network interface for the device is being obtained from the SNMP Manager application, nonexistent errors are recorded in the system logs.

Version 15.24

Symptom corrected:

- Administrator password cannot be changed via telnet.

Version 15.23

Symptom Corrected:

- When the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active", authentication will fail.

Version 15.22

Symptom corrected:

- When an site certificate is imported to the device from Web Image

Monitor, an error occurs and "Invalid site certificate" is displayed in the browser.

Other Changes:

- Added support for adhering to the Lot 6 regulation of the EU in European devices.

Version 15.21

Symptom corrected:

- When setting the following item in the wireless LAN settings, if the DHCP setting is configured from active to inactive, or vice versa, User Tools and each application might not be configurable.

In Web Image Monitor:

Wireless LAN Settings > Communication Mode = Direct Connection:

Group Owner Mode

On the operation panel:

User Tools > Machine Features > System Settings > Interface

Settings> Wireless LAN >

Communication Mode = Direct Connection: Group Owner Mode

Other changes:

1. In response to concerns regarding vulnerability, the SSL/TLS setting in the MFP matches that in the @Remote connection.

Explanation:

The MFP connects to the @Remote center server by using the TLS 1.1 or lower-level protocol, which is not selectable from the customer site. This specification change allows the CE and the customer to select the available protocol between the MFP and @Remote center server by changing the SSL/TLS setting via Web Image Monitor.

Important notes:

Before updating the firmware, please check the SSL/TLS setting and allow the following security level for each case. Otherwise, the @Remote service cannot be provided:

For embedded type

- We need to allow TLS 1.1 or lower-level for it to function.
- We are currently preparing the TLS 1.2 connection on the @Remote center server. The scheduled date of completion will be announced soon.
- This will change when preparation at the @Remote center server is complete.

For RC Gate A1

- We need to allow TLS 1.0 or lower-level for it to function.

For RC Gate

- We need to allow SSL 3.0 or lower-level for it to function.
- We need to change the certification length.

2. When a site certificate that uses characters other than those specified by RFC5280 is imported to the device, the device will

reject the import.

3. Changed the DH key specification to use 2,048 bits instead of 512 bits to prevent the Logjam vulnerability (CVE-2015-4000). In addition, by modifying this specification, SSL/TLS communication can be established when using Mac OS X 10.10.4 and iOS 8.4.

Version 15.20

1st Mass production

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*** Basic Information ***
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[Create date] 2019/05/27

[Program Name] NetworkDocBox

[Version] 1.12

[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.] D1965793P

[File Information]

File Name D1965793P.fwu

File Type Module for Service

Size 2.29 MB (2398568 byte)

[File Information]

File Name D1965793P.rfu

File Type Module for Remote Upgrade

Size 2.29 MB (2404608 byte)

[Availability of RFU] Yes

[Production reflection] 2019/05

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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:

- When SmartSDK WebAPI is used for image log and job log notification, there might be a delay if multiple log notifications are sent at the same time.
- When using a SmartSDK log capturing function and executing multiple stored scan jobs, only one image job might be recorded in the log.
- The SC991 log is recorded if the capture file log fails to transfer.
- Minor changes to the way SC991 is logged.

Other changes:

- Supported RICOH SmartSDK v2.60

[Modification history]

Version 1.11

Rank C

Symptom corrected:

- The log time reported to the SmartSDK application might be wrong.

Version 1.10

Rank C

Other changes:

- The following values can be set with solution software that uses SOAP I/F.
- "SNMPv3 Setting"
 - SNMPv3 Trap Communication
 - Encryption Algorithm
 - Permit SNMPv3 Communication
- "Program/Change Administrator"
 - Encryption Password

Version 1.09

Rank C

Symptom corrected:

- When the OCR setting is enabled, PDF downloads might fail resulting in being unable to connect to the Web Image Monitor.
- When using the application for the Japanese market, the Job Log transfer settings might not be set correctly when importing the preference information from another device.

Version 1.08

Rank C

Symptom corrected:

- If the device is abnormally turned off, the collect logs settings might be initialized and the log data might not be transferred after that.

Version 1.07

Rank C

Symptom corrected:

- When the image log capture function is enabled and a large number of jobs are performed, the capture cannot be executed and the device will freeze.
- Fixed a SmartSDK WebAPI bug with serverless transfer requests for device logs.

Other changes:

- Added a new feature for the SmartSDK WebAPI.

Version 1.06

Symptom corrected:

- When the following conditions are met, SC899 and SC991 might occur:
 - Job Log collection is being performed.
 - The document being faxed is targeted for capture, and the fax is sent.

Version 1.05

Symptom corrected:

1. When scanning by using GlobalScan NX on the model with the Smart Operation Panel, the image log capture file will be sent to an incorrect folder even if the file includes the same user ID as before.
2. When attempting to back up the address book from Device Manager NX, the backup will fail and printer, copy, scan, and fax jobs cannot be conducted.
3. Under the following conditions, if the device is accessed from a utility, such as SmartDeviceMonitor or Device Manager NX, and the address book on the device is edited, a utility will encounter an error or close unexpectedly:
 - The FCU is not installed.
 - The Fax Connection Unit is disabled.
 - 51 or more users are registered in the address book.

Version 1.04

Specification Change:

- The Smart Operation Panel v2.0 application for GR-C2 was made common with that of Lef-C1 and later models.

Version 1.03

Symptom corrected:

- Minor bug correction.

Version 1.02
Other changes:
Minor bug correction.

Version 1.01
Symptom corrected:
Minor bug correction.

Version 1.00
1st Mass production

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*** Basic Information ***
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[Create date] 2018/12/12

[Program Name] Printer

[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.] D1965794S

[File Information]

File Name D1965794S.fwu

File Type Module for Service

Size 4.59 MB (4810052 byte)

[File Information]

File Name D1965794S.rfu

File Type Module for Remote Upgrade

Size 4.59 MB (4817152 byte)

[Availability of RFU] Yes

[Production reflection] 2018/12

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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:]

Rank C

Symptom corrected:

- When printing a file that contains black and white images, unnecessary lines might also be printed.

[Modification history]

Version 1.14

Rank D

- No specification changes. The version number was updated for management purposes.

Version 1.13

Rank C

Symptom corrected:

- An SC899 error might occur if displaying the print job history on the Web Image Monitor after printing a file with a long name.

Version 1.12

Fixed:

- It might take time to resume a job if it is suspended while the device is in Energy Saver mode.

Version 1.11

Fixed:

- Printer configuration page might show incorrect information about the bypass tray paper size.
- After an SC reboot occurs, if the dialog window stating that the automatic reboot has occurred is not closed, SDK-J applications cannot be started, which results in an SC990 error occurring.

Version 1.10

Other changes:

- When the Auto Logout timer is invoked can be changed:
SP5-401-230 bit7 = 1: When the job executed from the operation panel is completed.
SP5-401-230 bit7 = 0: When the user last had interaction with the panel.

Symptom corrected:

- When attempting to preview a large-size JPEG image from "Print/Scan (Memory Storage Device)", an SC899 error occurs.
- When printing from AirPrint, the paper weight "Plain 2 (75 to

81g/square metre)" is out of the search target of "Auto Tray Select" even if "Plain Paper or Recycled Paper" is specified in the job.

Version 1.09

Symptom corrected:

- An error may occur when trying to display a preview in the Print from Storage Device application.

Version 1.08

Symptom corrected:

- Minor bug correction.

Version 1.07

Symptom corrected:

- When printing from an application that uses the SmartSDK interface, the number of pages to be printed that is displayed in the application might be incorrect.
- An SC899 error might occur when the Printer application starts up, which causes the device to stall.

Version 1.06

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 1.05

Fixed:

- Connecting the server might fail when Pull Print is conducted from a web application.

Other Changes:

- Supported RICOH SmartSDK v2.12.

Version 1.04

Symptom corrected:

In the case that a direct print is performed on a device with ELP-NX v2 installed when a document is currently being printed, the device

will freeze after printing is complete.

Version 1.03

Symptom corrected:

When a job is sent to the device while it is in Energy Saver mode, "Auto Continue" function does not work and a paper size error occurs.

Version 1.02

Symptom corrected:

SP1-103-002 fails, if paper type is set to plain paper 2 (default).

Other changes:

Supported RICOH SmartSDK v2.10.

Version 1.01

1st Mass production

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***** Basic Information *****
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[Create date] 2018/12/12

[Program Name] Option PctBrdg

[Version] 1.18.05

[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.] D3AB5713A

[File Information]

File Name D3AB5713A.fwu

File Type Module for Service

Size 0.58 MB (613284 byte)

[File Information]

File Name D3AB5713A.rfu

File Type Module for Remote Upgrade

Size 0.59 MB (618752 byte)

[Availability of RFU] Yes

[Production reflection] 2018/12

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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:]

Rank C

Symptom corrected:

- When printing a file that contains black and white images,
unnecessary lines might also be printed.

[Modification history]

Version 1.18.04

1st Mass production

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*** Basic Information ***
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[Create date] 2018/12/12

[Program Name] XPS

[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.] D3AB5738E

[File Information]

File Name D3AB5738E.fwu

File Type Module for Service

Size 2.12 MB (2225936 byte)

[File Information]

File Name D3AB5738E.rfu

File Type Module for Remote Upgrade

Size 2.13 MB (2232576 byte)

[Availability of RFU] Yes

[Production reflection] 2018/12

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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:]

Rank C

Symptom corrected:

- When printing a file that contains black and white images, unnecessary lines might also be printed.

[Modification history]

Version 1.03

Symptom Corrected:

An SC899 error might occur when graphics are drawn by the RGB Brush.
(GFPR#RE15100026)

Version 1.02

Symptom corrected:

When printing an excel sheet that contains images that drawn by collar custom brush, the job may be canceled.

Version 1.01

Other Changes:

Supported RICOH SmartSDK v2.12.

Version 1.00

1st Mass production