

<Package>>

Package(ALL) [MTC6a_pk]

D2235520J Ver. 7.00 -> D2235520K Ver. 7.05

<<Separate>>

Engine [MTC6a_eplot]

D2235127F Ver. 1.07:02 -> D2235127G Ver. 1.08:02

Fax [MTC6a_fax]

D2235544H Ver. 07.00.00 -> D2235544K Ver. 09.00.00

RemoteFax [MTC6a_fax2]

D2235545E Ver. 04.00.00 -> D2235545F Ver. 05.00.00

GWFCU3.8-13(WW) [GW1a_efax_fcu1Y]

D2235546G Ver. 06.00.00 -> D2235546J Ver. 08.00.00

Network Support [MTC6a_net]

D2235552M Ver. 16.41 -> D2235552R Ver. 16.45

NetworkDocBox [MTC6a_netfile]

D2235550H Ver. 1.06 -> D2235550L Ver. 1.09

Option PCL [MTC6d_prt_PCL]

D3D45705A Ver. 1.01 -> D3D45705D Ver. 1.04

Printer [MTC6d_printer]

D2235553H Ver. 1.06 -> D2235553K Ver. 1.08

PDF [MTC6d_prt_PDF]

D2235559E Ver. 1.04 -> D2235559F Ver. 1.05

Scanner [MTC6a_scn]

D2235547J Ver. 01.07 -> D2235547N Ver. 01.11

System/Copy [MTC6a_system]

D2235540S Ver. 1.14 -> D2235565B Ver. 1.20

Web Support [MTC6a_web]

D2235548H Ver. 1.07 -> D2235548K Ver. 1.09

PCL [MTC6e_prt_PCL]

D2235557D Ver. 1.03 -> D2235557G Ver. 1.06

Printer [MTC6e_printer]

D2235554H Ver. 1.06 -> D2235554K Ver. 1.08

PDF [MTC6e_prt_PDF]

D2235560E Ver. 1.04 -> D2235560F Ver. 1.05

M2a_cspf [M2a_cspf]

D1961430B Ver. 2.02.00 -> D2411433 Ver. 2.02.01

M2a_System [M2a_System]

D2411425H Ver. 1.29 -> D2411425Q Ver. 1.36

M2a_LegacyUI [M2a_LegacyUI]

D2411427Z Ver. 1.22 -> D2411439C Ver. 1.26

M2a_MeidaPrtScn [M2a_MeidaPrtScn]

D2411447T Ver. 1.20 -> D2411447V Ver. 1.21

M2a_SmartCopy [M2a_SmartCopy]

D2411454Y Ver. 1.26 -> D2411448 Ver. 1.28

M2a_SmartScan [M2a_SmartScan]

D2411456T Ver. 1.17 -> D2411456X Ver. 1.20

M2a_SmartFAX [M2a_SmartFAX]

D2411457W Ver. 1.24 -> D2411457Z Ver. 1.27

Application Site [M2a_zoo]

D2411467L Ver. 1.05.03 -> D2411467M Ver. 1.05.04

M2a_KrbServ [M2a_KrbServ]

D2411430A Ver. 1.02.00

M2a_M2a_RemSptSvc [M2a_RemSptSvc]

D1961459C Ver. 1.1

M2a_RemAssist [M2a_RemAssist]

D2411470A Ver. 1.0.5

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*** Basic Information ***
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[Create date] 2018/05/07

[Program Name] System/Copy

[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.] D2235540R

[File Information]

File Name D2235540R.fwu

File Type Module for Service

Size 28.97 MB (30373620 byte)

[File Information]

File Name D2235540R.rfu

File Type Module for Remote Upgrade

Size 28.97 MB (30380288 byte)

[Availability of RFU] Yes

[Production reflection] 2018/04

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*** Note ***
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[Note]

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

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

Rank D

Minor changes were applied for the Japanese domestic model.

[Modification history]

Version 1.12

Rank C

Symptom corrected:

- The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.
- If some characters are included in a user name, login authentication is not correctly done.
- SC899 occurs when printed a duplex job that exceeds the max allowable pages.

Other changes:

- Minor change for domestic market.

Version 1.11

Rank C

Symptom corrected:

- Remote un-installation for Streamline NX might fail.
- The quota notification cannot be displayed on some SmartSDK applications.
- @Remote 3G dongle fails to communicate to the @Remote center server.

Other changes:

- Supported RICOH SmartSDK v2.50.
- Added a new feature for the SmartSDK WebAPI.
- Some of the ARFU related SP settings and logs can be obtained using @Remote.

Version 1.10

Symptom corrected

- A true/false based API control was added to check the capability of Scan and FAX.
- 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
- OCR cannot recognize characters if converting scanned image to searchable PDF.
- A bug of SmartSDK API was fixed.
- User usage restrictions do not come into effect if authentication is enabled in Quick Card Authentication
- 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 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.
- In the "Printing text and serial numbers" mode, blank text with serial numbers cannot be copied on the copying sheets.
- 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.
- When capture processing and either thumbnail or preview processing occur at the same time, capture processing might not operate normally if the capture setting is enabled and Media Link Board is installed.
- 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.
- Cancelling scanning might result in SC990/991 occurring and the machine rebooting.

Other changes

- Added the function to set user usage restrictions for each application.
- Supported RICOH SmartSDK v2.40.
- Added the specification of panel coordinate inspection for the Smart Operation Panel.
- Reboot will be retried if reboot fails after updating remotely.
- Supports Arabic
- 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.
- Machine is auto rebooted if a problem occurs while updating FAX firmware.

Version 1.09

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 v1.09 (D2235540M)

Network Support v16.39.1 (D2235552K)

Web Support v1.05 (D2235548F)

Scanner v01.03 (D2235547E)

Animation v1.01 (D2235551C)

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

Version 1.08

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.

System corrected:

- SC673-10 may occur when turning ON the machine power.
- SC845 may occur while updating a package firmware, if the machine was turned OFF during the previous update via ARFU.
- Setting paper on the Bypass tray automatically assigns the Bypass tray as the feed tray.
- 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.
- If the Cover Interposer runs out of paper during the job and the tray is reloaded with paper but the paper size is not detected correctly due to poor set, the machine stalls when switching to the succeeding job.

Version 1.07

Other changes:

- The machine reboots automatically after an SC670.
- Added the following sub codes for SC670:
SC670-03:Power source error for Engine.
SC670-04:Communication error between CTL-IPU
- Reduced time for controller firmware update and improved progress bar feature.

System corrected:

- If the proximity sensor is activated while entering SP mode, it may fail to transition to SP mode.
- When attempted to reboot the machine to resolve an SC, the message "Reboot will done automatically" appears but the machine is not rebooted.
- SC819 may occur, if the auto log-out timer and the energy saving timer are set to the same value.
- SC819 may occur after removing a jam that occurred while printing a large job that fully consumes the printer memory.
- If an original jams in the sample copy of a stapled job, the first set is not printed out.

Version 1.06

Symptom Corrected:

1. More languages supported for the smart operation panel.
2. Remaining printing time displayed is incorrect (e.g. 999min) for jobs printed from the document server.
3. Erase Border works incorrectly when selecting the original paper size with two spread pages.
4. SC819 occurs at boot-up.
5. After entering the user code to start up the Copy application,

the user code input screen does not disappear.

6. 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.

Version 1.05

Specification Change:

1. Specification Change:

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

2. The following functions were newly added to SmartApps and high CPM models.

- Scan Positioning
- Creep Adjustment
- Insert Sheet
- Reverse Ejection

3. 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 v1.03 (D2235548D) or later, so please be sure to update that firmware as well.

4. 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:

1. Behavior of the SDK applications (CAP/ELP/SLNX/GSNX/etc.) may be incorrect or inconsistent as described below. Both the Standard (Compatibility mode) and SOP Optimized (Hybrid mode) applications are affected by these issues.

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

2. When an application accesses the HDD after turning ON the power, the machine may stall.

3. Saving a scanned file onto a USB memory stick may cause the file to corrupt.

4. SC899 may occur after updating with the packaged firmware.

5. 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.

6. Cannot log out, if logged in using the IC card with the energy saver mode enabled.

7. Error 22 may occur during ARFU.

8. Can not recovery from energy saving mode and SC672-11 may occur.
9. SC899 may occur when installing @Remote.
10. Connection error message may appear mistakenly on @Remote connected machines.
11. SC991/SC899 may occur or stall may occur during use of application on @Remote connected machines.
12. Connection may fail if entering and recovering from energy saving mode is repeated without power OFF/ON on @Remote connected machines.

Version 1.04

Other Changes:

1. When using "Enhanced Print Volume Use Limitation" in a SmartSDK application and "Tracking Permission" and "Stop Printing" are enabled, the "Print Volume Use" pop-up window is not displayed.
2. Fixed CVE-2015-0292, CVE-2015-0537, CVE-2015-1787, CVE-2015-0536 and CVE-2014-4630.
3. The default values of the Sleep Mode Timer and System Auto Reset Timer were changed.

Version 1.03

Symptom corrected:

- Package RFU update may fail.
- Emergency firmware update may not work occasionally.
- Error occurs, if new addresses are continuously registered to the address book using Smart SDK.

Other change:

Test Print function is newly added to SmartApps.

Version 1.02

Symptom corrected:

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

Other changes:

The following were added to the Smart Copy function.

- Muti-fold
- Z-fold
- 3-edge full bleed

Version 1.01.1

Symptom corrected:

SC672-11 may occur when recovering from energy save mode.

Version 1.01
1st Mass production

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*** Basic Information ***
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[Create date] 2019/04/18

[Program Name] PowerSaving Sys

[Version] F.L3.06.2

[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.] D2235543C

[File Information]

File Name D2235543C.fwu

File Type Module for Service

Size 4.00 MB (4194832 byte)

[File Information]

File Name D2235543C.rfu

File Type Module for Remote Upgrade

Size 4.01 MB (4202752 byte)

[Availability of RFU] Yes

[Production reflection] 2019/04

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

- IEEE802.1x reauthentication fails if the device is in STR energy-saving mode.

[Modification history]

Version F.L3.06.1

Symptom corrected:

- SC816-98 may occur while the system enters the STR mode.

Version F.L3.06

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/08

[Program Name] Fax

[Version] 08.00.00

[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.] D2235544J

[File Information]

File Name D2235544J.fwu

File Type Module for Service

Size 2.39 MB (2511176 byte)

[File Information]

File Name D2235544J.rfu

File Type Module for Remote Upgrade

Size 2.40 MB (2519296 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

To support for the Japanese application.

[Modification history]

Version 07.00.00

Rank C

Symptom corrected:

- The fax function might not work if the machine isn't turned off for over 300 days after disabling energy saving mode.
- Pressing the 'Check' button when an error message is displayed while using Legacy Fax causes the regular Fax application to start up.

Version 06.00.00

Rank C

Symptom corrected:

- When sending a fax via the SmartSDK, images might be missing or output at the wrong size.
- When Hook Dial is pressed or when Manual Entry is selected, the SmartFax application might crash.

Version 05.00.00

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 04.00.00

Symptom corrected:

- Cannot exit from job stop screen and FAX function does not work, if the SNTP time setting and STR setting are enabled.

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 03.00.00

Symptom Corrected:

- AirPrint (FaxOut) results in an error (FCU:02.00.00 version or newer).

Version 02.00.00

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 01.00.03

1st Mass production

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*** Basic Information ***
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[Create date] 2019/07/30

[Program Name] Scanner

[Version] 01.11

[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.] D2235547N

[File Information]

File Name D2235547N.fwu

File Type Module for Service

Size 5.19 MB (5446936 byte)

[File Information]

File Name D2235547N.rfu

File Type Module for Remote Upgrade

Size 5.20 MB (5452032 byte)

[Availability of RFU] Yes

[Production reflection] 2019/07

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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:]

Rank C

Symptom corrected:

- An error might occur when sending mail if the billing code is used with the Card Authentication Package v2.
- When sending a saved document, the captured image file might not be sent if a SmartSDK scanner application is installed.
- Image log of Scan job (OCR or high compression PDF) may not be collected correctly.

[Modification history]

Version 01.10

Rank C

Symptom corrected:

- If no color-mode selected for the color mode, images are saved in TIFF format even if JPEG format is selected when scanning images via AirPrint or Mopria.
- SC899 might occur when scanning images if OCR is enabled.
- If "scan and store temporarily (send image/file)" is selected for the job mode, images might not be stored in the destination, which specified by the user when scanning the images via a SmartSDK scanner application.

Other changes:

- Supported RICOH SmartSDK v2.60.

Version 01.09

Rank B

Symptom corrected:

- If a file was stored through the SmartSDK scanner application and user authentication is set to something other than basic, the file password might be displayed in the username on the file details screen.

Version 01.08

Rank C

Symptom corrected:

- User and SP settings information in the Copy (Classic) application and the Scanner (Classic) application might be cleared after version up or down to specific firmware version.

Version 01.07

Rank C

Symptom corrected:

- If scanning is cancelled three times within five minutes when scanning with the IC Card Scan & Copy Application, the device cannot transfer to Energy Saver Mode.
- 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 01.06

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 01.05

Rank C

Symptom corrected:

- When scanning with AirPrint in MacOS X 10.12 or later, the device sends a full color JPEG even if specifying a black and white JPEG.
- 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.

Other changes:

- Supported RICOH SmartSDK v2.50.

Version 01.04

Symptom corrected:

1. When the cover is open or a paper jam occurs while using another application such as Copy or Printer, if "Check Status" is pressed, "Check" is displayed in the Scanner area of the status bar even though Scanner is not being used.
This firmware is dependent on SmartScan firmware v1.11 (D2411456L) or later, so please be sure to update both firmwares.
2. 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.

3. 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.
4. When scanning from SmartSDK applications, files are stored in PDF/A format even when trying to store the files in TIFF/JPEG format.
5. When OCR is set and a document over 51 pages is sent by Scan to Email, sending might fail.
6. When OCR is set and a document over 256 pages is scanned, the Scanner application might freeze or SC997 might occur.
7. 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.
8. The image logs of jobs scanned by GlobalScan NX might not be captured.

Version 01.03

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 v1.09 (D2235540M)

Network Support v16.39.1 (D2235552K)

Web Support v1.05 (D2235548F)

Scanner v01.03 (D2235547E)

Animation v1.01 (D2235551C)

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

Version 01.02

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 01.01

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".
- 3. When scanning from Mac OS X 10.12 by using AirPrint, the output file cannot be opened in the viewer.
- 4. A3 size cannot be specified in macOS when scanning by using AirPrint.
- 5. When scanning from Mac OS X 10.12 by using AirPrint, the resolution is always 200 dpi.

Version 01.00
1st Mass production

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*** Basic Information ***
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[Create date] 2018/02/06

[Program Name] Web Support

[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.] D2235548H

[File Information]

File Name D2235548H.fwu

File Type Module for Service

Size 7.20 MB (7554584 byte)

[File Information]

File Name D2235548H.rfu

File Type Module for Remote Upgrade

Size 7.21 MB (7561472 byte)

[Availability of RFU] Yes

[Production reflection] 2018/02

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

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

Other changes:

- 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)

[Modification history]

Version 1.06

Other changes:

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

Version 1.05

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 v1.09 (D2235540M)
Network Support v16.39.1 (D2235552K)
Web Support v1.05 (D2235548F)
Scanner v01.03 (D2235547E)
Animation v1.01 (D2235551C)

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

Version 1.04

Symptom corrected:

- When changing the password policy in the "Extend Security" menu through Web Image Monitor, the access log might be not recorded.

Version 1.03

Symptom corrected:

- When downloading "Eco-friendly Counter" data in "Status/Information > Display Eco-friendly Counter", the SYSTEM counter data for that period is not included in the exported .csv file.

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 v1.05 (D2235540H) or later, so please be sure to update that firmware as well.

Version 1.02

Other changes:

- Minor bug correction.

Version 1.01

1st Mass production

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*** Basic Information ***
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[Create date] 2019/07/30

[Program Name] Network Support

[Version] 16.45

[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.] D2235552R

[File Information]

File Name D2235552R.fwu

File Type Module for Service

Size 11.64 MB (12201268 byte)

[File Information]

File Name D2235552R.rfu

File Type Module for Remote Upgrade

Size 11.64 MB (12206336 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

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*** Note ***
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[Note]

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

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

Rank C

Other changes:

- Even when the certificate key length for @Remote is set to 512-bit, the device can connect to the firmware download server (for ARFU, SFU, etc.).

[Modification history]

Version 16.44

Rank C

Symptom corrected:

- 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.

Version 16.43

Rank C

Other changes:

It is now possible to close the following ports with a Telnet command:

- 111/tcp
- 1022/tcp
- 1023/tcp
- 2049/tcp
- 18315/tcp
- 54080/tcp
- 54443/tcp
- 1022/udp
- 1023/udp

Please refer to the RTB (RGene108) for more details.

Version 16.41

Rank C

Symptom corrected:

- When conducting AirPrint, if port 80/TCP (HTTP) or port 631/TCP (IPP) in the printer is closed, the Apple device cannot find the printer.
- When conducting Scan to Folder in a high-load network environment, the device's status gets stuck on sending and the scanner becomes unusable.
- 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 16.40.1

Rank C

Symptom corrected:

- The device might fail to obtain the fax transmission result using FTP.
- 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.
- SC819 might occur after updating firmware remotely.
- The device might freeze during data transmission when conducting Scan to Folder with SMBv2/v3.

Version 16.39.1

Symptom corrected:

1. Fixed unnecessary processing affecting hard disk failure and deterioration.
2. Unnecessary logs are recorded in the system logs when connecting to the network through a wireless LAN.
3. Fixed the WebAPI bug when obtaining the network property information.
4. When using the DHCP Option204 function, the "Setting change..." message might be repeatedly displayed on the operation panel, and a user cannot operate the device.

Other Changes:

1. The default value of "Algorithm Signature" has been changed from SHA1-RSA 2048 to SHA256-RSA 2048 when the device creates a new device certificate.
2. Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v1.09 (D2235540M)

Network Support v16.39.1 (D2235552K)

Web Support v1.05 (D2235548F)

Scanner v01.03 (D2235547E)

Animation v1.01 (D2235551C)

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

Version 16.37

Symptom Corrected:

- When the device is in STR mode, printing might stop and not be able to be conducted until the device is rebooted.

Version 16.36

Symptom corrected:

1. Even if SSL3.0 communication is invalidated in device security settings, SSL3.0 communication is falsely possible from the NRS port (7443/7444) on the device.
2. When the "Erase All Memory" function is conducted, an SC899 or SC991 error might occur. This issue occurs when Network Support firmware v16.35 is installed.

Version 16.35

Symptom Corrected:

1. When the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active", authentication will fail.
2. When the device has the USB device server option enabled and is connected to macOS via a USB cable, the PS driver cannot be installed on the computer. If the PS driver is already installed, printing might fail.
3. When AirPrint is set to "Disabled" in Web Image Monitor, AirPrint printing can still be conducted via USB cable.
4. If the device has not been used a significant amount of times, functions that require a network connection will fail.

Version 16.34

Other Changes:

1. Changed the DH key specification to use 2,048 bits instead of 512 bits to prevent the Logjam vulnerability (CVE-2015-4000).
2. Fixed CVE-2015-0292, CVE-2015-0537, CVE-2015-1787, CVE-2015-0536 and CVE-2014-4630.

Version 16.33

Symptoms corrected

1. When "Encryption" in the Security tab is set in the Scanner application and "Start" is pressed, the device cannot send the email, which causes an error message to be displayed and the indicator to remain lit.
2. When one of the following settings in "IEEE 802.1X" and one in "SSL/TLS" are configured in Web Image Monitor, IEEE 802.1X authentication will fail on the device:

"Device management > Configuration > Security > IEEE 802.1X":

- "EAP Type: PEAP" and "Phase 2 Method: MSCHAPv2"
- "EAP Type: EAP-TTLS" and "Phase 2 Method: MD5"

"Device management > Configuration > Security > SSL/TLS":

- TLS1.0: Active
- SSL3.0: Active

Version 16.32

Other changes:

1. Support for AirPrint.

This firmware is dependent on Printer firmware v1.01(D2235554C) or later, so please be sure to also update that firmware.

2. To avoid a window that warns about the security certificate from being displayed when connected to Web Image Monitor, the default value of the "Permit SSL/TLS Communication" setting has been changed from "Ciphertext Priority" to "Ciphertext/Cleartext".

Note: Configurations will not be automatically changed when the firmware is updated. This value will be the default in devices that have Network Support v16.32 installed from mass production.

Version 16.31

1st Mass production

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*** Basic Information ***
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[Create date] 2018/12/25

[Program Name] Printer

[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.] D2235554J

[File Information]

File Name D2235554J.fwu

File Type Module for Service

Size 4.45 MB (4666792 byte)

[File Information]

File Name D2235554J.rfu

File Type Module for Remote Upgrade

Size 4.46 MB (4673792 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:

- SC899 might occur when printing a Hold Print file scheduled for a certain time.
- IPDS form creation might fail when specifying a custom paper size.
- Some characters in the IPDS form name might be distorted when specifying a tray form.

[Modification history]

Version 1.06

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 1.05

Fixed:

- It might take time to resume a job if it is suspended while the device is in Energy Saver mode.
- IPDS printing might stall if IPDS jobs are printed continuously.

Other changes:

Added BitSwitch#12-3 to select the behavior when the print job has more than the maximum of staple capability.

BitSwitch#12-3

0 (default): Sheets are fed out without being stapled.

1 : Sheets are stapled and fed out.

Version 1.04

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:

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

Version 1.03

Symptom corrected:

1. Notifications are not displayed in MFP applications even if key counter management or external charge unit management is enabled.
2. 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.
3. When attempting to print data that contains a blank page via
AirPrint, the job might be canceled.

Version 1.02
Miner software bug corrected.

Version 1.01
Symptom corrected:
- While a job is being printed by using Enhanced Locked Print NX v2,
some jobs might not start being processed on the device until the
current job is finished.

Other changed:
- Support for AirPrint.

This firmware is dependent on Network Support v16.32(D2235552C) or later,
so please be sure to also update that firmware.

Version 1.00
1st Mass production

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*** Basic Information ***
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[Create date] 2019/07/26

[Program Name] PCL

[Version] 1.06

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2235557G

[File Information]

File Name D2235557G.fwu

File Type Module for Service

Size 1.26 MB (1323876 byte)

[File Information]

File Name D2235557G.rfu

File Type Module for Remote Upgrade

Size 1.27 MB (1331456 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

- Double-byte characters in Asian languages might be missing from a PCL5 host print job containing single-byte and double-byte characters.

[Modification history]

Version 1.05

Rank C

Symptom corrected:

- Double-byte characters of Asian languages such as Japanese, Chinese, and Korean might be missing.

Version 1.04

Rank C

Symptom corrected:

- If printing PCL5 data after installing the Andale font on the machine, some Chinese characters might not be printed.
- The overlay image might not be correctly printed with PCL.

Version 1.03

Symptom corrected:

1. PCL macros that were uploaded to the HDD cannot be printed.
(GFPR#RE16080014)
2. When characters that contain the incorrect TrueType font data are printed, not only are incorrect characters missing but so are correct characters that follow incorrect characters.
(GFPR#RE16030046)

Version 1.02

Symptom corrected:

Some lines of text and/or dotted lines might be missing when using the PCL overlay macro. (GFPR#RC16040013)

Version 1.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/08

[Program Name] PDF

[Version] 1.05

[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.] D2235560F

[File Information]

File Name D2235560F.fwu

File Type Module for Service

Size 4.30 MB (4506404 byte)

[File Information]

File Name D2235560F.rfu

File Type Module for Remote Upgrade

Size 4.30 MB (4514048 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:

- When sending a fax via the SmartSDK, images might be missing or output at the wrong size.
- Printing a PDF with a transparent image and a shaded image might take a long time due to memory release processing, and the shaded image might not be printed as expected.
- A PDF might not print if the previous PDF print job was cancelled manually.
- If a PDF contains transparent images, printing might be canceled due to a lack of memory.

[Modification history]

Version 1.04

Fixed:

- The device might stall during PDF direct printing if a spot color is used.
- The device might stall during PDF direct printing if a job contains a Bezier curve.
- The device might stall if a job includes text outside the printable area of the page.
- SC899 might occur if there is a large number of different characters used in a print job.
- An incorrect paper size may be fed while printing via AirPrint.
- SC899 might occur while printing via PDF Direct if a job includes more than 500 pages.
- It takes a significant amount of time to output the first page by using PDF Direct Print when the print data contains a large number of pages. (GFPR#RE16060016)

Version 1.03

Symptom corrected:

- Images in Postscript or PDF jobs which require a lot of memory might not be printed correctly.

Version 1.02

Symptom corrected:

- When printing PDF data that includes overprinting via PDF Direct Print, after taking a significant amount of time to print the first few pages in a job, the job might be cancelled.
- When printing a PDF file that contains graphics or text via PDF Direct, an SC899 error might occur.

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.] D2235562K_edc

[File Information]

File Name D2235562K_edc.ifu

File Type Module for Service

Size 64.01 MB (67115792 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.
- Gloria don't start up when power off/on then system settings can't be used.

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 12.59.01

Rank C

Symptom corrected:

- The printing speed is not as fast as the past model if CAP V2 is installed.
- The SDK application may stop suddenly due to the increase of memory usage.

Other changes:

- Minor changes for its internal operations.

Version 12.55.02

Symptom corrected:

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

Version 12.50.01

Symptom corrected:

- When showing the device status via a Solution Product (Streamline and CAP/ELP), the device's HDD capacity is not displayed correctly.
- Under the following conditions, when performing on-demand printing

with the Enhanced Locked Print, the SC899 error might occur.

- More than 100 connected devices are set as the host name.
- Host name resolution fails on DNS server.

Version 12.47.01

Symptom corrected:

- 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.
- 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 12.45.00

Symptom corrected:

1. 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.
2. 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.
3. After logging in to CAP, it may not be possible to print after an error occurs.
4. 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.

Version 12.40.00

Minor bug correction.

Version 12.38.04

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.

- If attempted to install an application from Web Image Monitor, installation may fail with an error.

Version 12.31.03
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.] D2235562K_upd

[File Information]

File Name D2235562K_upd.exe

File Type Module for Service

Size 63.75 MB (66851249 byte)

Check Sum -8Bit Sum: 27E7

 -16Bit Sum(Little Endian): 42F7

 -16Bit Sum(Big Endian): CBF0

[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.
- Gloria don't start up when power off/on then system settings can't be used.

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 12.59.01

Rank C

Symptom corrected:

- The printing speed is not as fast as the past model if CAP V2 is installed.
- The SDK application may stop suddenly due to the increase of memory usage.

Other changes:

- Minor changes for its internal operations.

Version 12.55.02

Symptom corrected:

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

Version 12.50.01

Symptom corrected:

- When showing the device status via a Solution Product (Streamline and CAP/ELP), the device's HDD capacity is not displayed correctly.
- Under the following conditions, when performing on-demand printing with the Enhanced Locked Print, the SC899 error might occur.
 - More than 100 connected devices are set as the host name.
 - Host name resolution fails on DNS server.

Version 12.47.01

Symptom corrected:

- 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.
- 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 12.45.00

Symptom corrected:

- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
- After logging in to CAP, it may not be possible to print after an error occurs.
- 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.

Version 12.40.00

Minor bug correction.

Version 12.38.04

Specification change:

- Support of TLS1.1 and TLS1.2 in Java VM.
- SSL3.0 and TLS1.0 in Java VM can be prohibited.
- RC4 on SSL/TLS in Java VM can be prohibited.

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.
- If attempted to install an application from Web Image Monitor, installation may fail with an error.

Version 12.31.03
1st Mass production

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*** Basic Information ***
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[Create date] 2017/09/05

[Program Name] Engine

[Version] 1.07:02

[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.] D2235127F

[File Information]

File Name D2235127F.fwu

File Type Module for Service

Size 7.88 MB (8258036 byte)

[File Information]

File Name D2235127F.rfu

File Type Module for Remote Upgrade

Size 7.88 MB (8265984 byte)

[Availability of RFU] Yes

[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:]

Symptom corrected:

- SC990/SC954 might occur or the paper will be fed out to the wrong tray when multiple jobs each using a different exit tray are executed.

[Modification history]

Version 1.06:02

Symptom corrected:

- Jobs applied with both punching and stapling options positively result in a jam in the finisher.

Version 1.05:02

Symptom corrected:

- Serial number information stored in SP5-811-001 is corrupted and the following may not work:
 - @Remote registration via external appliances
 - User authentication in SDK application

Version 1.04:02

Symptom corrected:

- In a duplex job printed from the bypass tray, the relay motor continues to rotate if the tray runs out of paper after printing 1 or 2 pages even if the job has completed.
- Cannot print from the bypass tray, if the paper had been removed from the tray and reset immediately (within 0.1 second).

Version 1.02:02

1st Mass production

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*** Basic Information ***
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[Create date] 2019/03/07

[Program Name] GWFCU3.8-13(WW)

[Version] 08.00.00

[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.] D2235546J

[File Information]

File Name D2235546J.fwu

File Type Module for Service

Size 3.94 MB (4129296 byte)

[File Information]

File Name D2235546J.rfu

File Type Module for Remote Upgrade

Size 3.95 MB (4137216 byte)

[Availability of RFU] Yes

[Production reflection] 2019/02

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

- When the Capture function for sending FAX is enabled, (SP5836-001 and SP5836-004 set to '1') the received FAX document cannot be printed correctly if the machine power is turned OFF while capturing the data.
- The machine will not print on the correct size paper if the following conditions are met:
 - User parameter switch 05 (just size printing for Fax document) is set as 1 (On)
 - No paper is set on the tray specified for A3 use
 - Receive an A3 size print job
- SC 871-01 might occur and the Fax application might go into a stall when recovering from the energy saving mode.

[Modification history]

Version 07.00.00

Rank C

Symptom corrected:

- If temporary memory overflows when function of storing a document for fax is used, the machine cannot use FAX for two days.
- The fax function might not work when receiving eight incoming calls from devices other than FAX and telephone via ISDN.
- The following errors might occur.
 - The recieved documents aren't sent to the destination folder.
 - The recieved documents are forwarded to the Easy Fax three days after faxes are recieved.

Version 06.00.00

Symptom corrected:

- FAX cannot be sent with the status showing "processing" possibly followed by a SC843-02.
- 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.
- If [Store and Print] is enabled and a document is deleted from GlobalScan, the FAX function becomes inoperable.
- When the scanning FAX memory is full, it will be recorded in the job log as "Canceled by User", not "Other Error".

Version 04.00.00

Symptom corrected:

When attempted to send a folder, the memory is consumed and prevents the machine from receiving any documents for an extended period.

Version 03.00.00

Symptom corrected:

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

Version 02.00.00

Symptom corrected:

- Image may appear abnormal or the machine may stall when sending or receiving an IP-Fax.

Version 01.00.00

1st Mass production

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*** Basic Information ***
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[Create date] 2018/12/25

[Program Name] NetworkDocBox

[Version] 1.08

[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.] D2235550K

[File Information]

File Name D2235550K.fwu

File Type Module for Service

Size 2.30 MB (2408096 byte)

[File Information]

File Name D2235550K.rfu

File Type Module for Remote Upgrade

Size 2.30 MB (2412800 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:

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

[Modification history]

Version 1.07

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.

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 1.06

Rank C

Symptom corrected:

- Fixed a SmartSDK WebAPI bug with serverless transfer requests for device logs.

Version 1.05

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 1.04

Rank C

Symptom corrected:

- Unnecessary retransmissions might be occur in the image log capture.

Version 1.03

Symptom corrected:

1. 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.
2. 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 1.02

Symptom corrected:

1. 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.
2. The device might not be able to be accessed via Web Image Monitor.

Version 1.01

Symptom corrected:

- 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.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2017/07/31

[Program Name] animation

[Version] 1.01

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2235551C

[File Information]

File Name D2235551C.fwu

File Type Module for Service

Size 10.99 MB (11526368 byte)

[File Information]

File Name D2235551C.rfu

File Type Module for Remote Upgrade

Size 11.00 MB (11534592 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 v1.09 (D2235540M)

Network Support v16.39.1 (D2235552K)

Web Support v1.05 (D2235548F)

Scanner v01.03 (D2235547E)

Animation v1.01 (D2235551C)

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

[Modification history]

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/08

[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.] D2235545F

[File Information]

File Name D2235545F.fwu

File Type Module for Service

Size 1.63 MB (1708836 byte)

[File Information]

File Name D2235545F.rfu

File Type Module for Remote Upgrade

Size 1.64 MB (1716480 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 04.00.00

Symptom corrected:

- A sending error might occur with PC FAX in Energy Saver mode.
- 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 03.00.00

Symptom Corrected:

SC899 may occur when receiving IP FAX.

Version 02.00.00

Other changes:

Minor change was applied for the Japanese domestic model.

Version 01.00.00

1st Mass production

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***** Basic Information *****
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[Create date] 2019/08/08

[Program Name] Web Support

[Version] 1.10

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2895560L

[File Information]

File Name D2895560L.fwu

File Type Module for Service

Size 7.27 MB (7619188 byte)

[File Information]

File Name D2895560L.rfu

File Type Module for Remote Upgrade

Size 7.27 MB (7627008 byte)

[Availability of RFU] Yes

[Production reflection] 2019/07

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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:]

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.

[Modification history]

Version 1.09

Rank C

Other changes:

- Added html format for Scan to Email function.
- 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 1.08

Rank C

Symptom corrected:

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

Version 1.07

Other changes

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

Version 1.06

The version was upgraded for firmware management purpose on the server.

Version 1.05

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 v1.08 (D2895550L)

Network Support v16.47 (D2895564G)

Web Support v1.05 (D2895560F)

Scanner v01.04 (D2895571F)

Animation v1.03 (D2895562E)

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

Version 1.04

Symptom corrected:

- When changing the password policy in the "Extended Security" menu through Web Image Monitor, the access log might be not recorded.

Version 1.03

Symptom corrected:

- 12x18 cannot be selected for the bypass tray, if the configuration consists of both Multi-Fold Unit FD3000 and Booklet Finisher SR3220.

Version 1.02

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 v1.02 (D2895550D) or later, so please be sure to update that firmware as well.

Version 1.01

1st Mass production

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*** Basic Information ***
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[Create date] 2019/05/23

[Program Name] ADF_SINAI-D

[Version] 01.020:04

[PCB No.] D3AZ5100K

[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.] D3AZ5550G

[File Information]

File Name D3AZ5550G.fwu

File Type Module for Service

Size 0.40 MB (420472 byte)

[Availability of RFU] No

[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:

- Double feed (J63) due to the pull out roller nip position is too large than design target.

[Modification history]

Version 01.010:04

Rank C

Symptom corrected:

- Jam Code 63 might occur.

Version 01.000:04

1st Mass production