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*** Basic Information ***
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[Create date] 2017/07/04

[Program Name] Engine

[Version] 1.12:02

[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.] D2585520J

[File Information]

File Name D2585520J.fwu

File Type Module for Service

Size 7.88 MB (8258036 byte)

[File Information]

File Name D2585520J.rfu

File Type Module for Remote Upgrade

Size 7.88 MB (8265984 byte)

[Availability of RFU] Yes

[Production reflection] 2017/06

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*** Note ***
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[Note]

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

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

Symptom corrected;

- After replacing with a new waste toner bottle, the counter cannot be reset by opening and closing the front door.

NOTE: The counter can be reset by turning the machine power OFF and then ON.

[Modification history]

Version 1.11:02

3-edge full bleed works only for two edges.

Version 1.10:02

Specification changes:

- The default SP values for Envelope Nip Width following a RAM clear were changed.

Note: Factory settings were not changed.

- SP1-996-249 (Envelope Nip Width Setting, Envelope:Thick6)
- SP1-996-250 (Envelope Nip Width Setting, Envelope:Thick7)
- SP1-996-251 (Envelope Nip Width Setting, Envelope:Thick8)
- The default SP values for Registration Buckle Adjustment were changed.

Note: This change was made to optimize the amount of slack in the paper at registration.

- SP1-004-006 (Reg Bukle Adj, Thick2) F2 -> 3 [mm]
- SP1-004-007 (Reg Bukle Adj, Thick3) F2 -> 5 [mm]

Symptoms corrected:

- Toner drops from the development unit and the image density lowers when the print speed is changed.
- RFU (Remote Firmware Update) is not successful if initiated while MUSIC or process control is currently underway.
- The drawer lock may not be released if the operator turns the machine main power OFF/ON without clearing a fusing SC.
- The machine may stall if it receives a print job while performing engine adjustments following the completion of the previous print job.

Version 1.09:02

Web-end is not cleared even after replacing with a new fusing unit.

Version 1.08:02

- SC374 might occur after recovery from toner end.
- If the machine receives a job that prints at low speed (for example, on coated paper) during the fusing unit refreshing process in which

the fusing motor is inactive, the heater does not turn on and the images cannot be fused.

Version 1.07:02

- PM counter for fusing hot roller is added.
- 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 1.03:02

1st Mass production

<<Package>>

Package_ALL [CHAC2a_pk]

D2585720J Ver. 7.00 -> D2585720K Ver. 8.00

<<Separate>>

System/Copy [CHAC2a_system]

D2585760S Ver. 1.14 -> D2585760V Ver. 1.16

Fax [CHAC2a_fax]

D2585762J Ver. 07.00.00 -> D2585762K Ver. 08.00.00

Scanner [CHAC2a_scn]

D2585764N Ver. 01.09 -> D2585764P Ver. 01.10

Web Support [CHAC2a_web]

D2585765L Ver. 1.09 -> D2585765M Ver. 1.10

NetworkDocBox [CHAC2a_netfile]

D2585770E Ver. 1.02 -> D2585770F Ver. 1.03

Printer [CHAC2d_Printer]

D2585771K Ver. 1.06 -> D2585771L Ver. 1.08

Printer [CHAC2e_Printer]

D2585772L Ver. 1.07 -> D2585772M Ver. 1.08

M2a_System [M2a_System]

D2411425F Ver. 1.27.2 -> D2411425H Ver. 1.29

M2a_LegacyUI [M2a_LegacyUI]

D2411427Y Ver. 1.21 -> D2411427Z Ver. 1.22

M2a_WLanguage [M2a_WLanguage]

D2411431J Ver. 1.09 -> D2411431K Ver. 1.10

M2a_Wtonner [M2a_WTonner]

D2411434G Ver. 1.05 -> D2411434H Ver. 1.06

M2a_WFaxInfo [M2a_WFaxInfo]

D2411435E Ver. 1.03 -> D2411435F Ver. 1.04

M2a_WEcoInfo [M2a_WEcoInfo]

D2411437F Ver. 1.06 -> D2411437G Ver. 1.07

M2a_SimpleCopy [M2a_SimpleCopy]

D2411443S Ver. 1.20 -> D2411443T Ver. 1.21

M2a_SimpleScan [M2a_SimpleScan]

D2411444R Ver. 1.15 -> D2411444S Ver. 1.16

M2a_PrinterSJob [M2a_PrinterSJob]

D2411446Q Ver. 1.74 -> D2411446R Ver. 1.75

M2a_MeidaPrtScn [M2a_MeidaPrtScn]
D2411447S Ver. 1.19 -> D2411447T Ver. 1.20

M2a_SmartCopy [M2a_SmartCopy]
D2411454X Ver. 1.25 -> D2411454Y Ver. 1.26

M2a_SmartScan [M2a_SmartScan]
D2411456S Ver. 1.16 -> D2411456T Ver. 1.17

M2a_SmartFAX [M2a_SmartFAX]
D2411457T Ver. 1.22 -> D2411457W Ver. 1.24

Application Site [M2a_zoo]
D2411467K Ver. 1.05.02 -> D2411467L Ver. 1.05.03

<<Package>>

Package_02 [CHAC2r_pk1]

D2585724H Ver. 6.00 -> D2585724J Ver. 7.00

<<Separate>>

Engine [CHAC2a_eplot]

D2585522 Ver. 1.13:02 -> D2585522C Ver. 1.16:02

System/Copy [CHAC2a_system]

D2585760N Ver. 1.10 -> D2585760V Ver. 1.16

Fax [CHAC2a_fax]

D2585762G Ver. 05.00.00 -> D2585762K Ver. 08.00.00

RemoteFax [CHAC2a_fax2]

D2585763E Ver. 04.00.00 -> D2585763F Ver. 05.00.00

Scanner [CHAC2a_scn]

D2585764J Ver. 01.05 -> D2585764P Ver. 01.10

Web Support [CHAC2a_web]

D2585765J Ver. 1.07 -> D2585765M Ver. 1.10

Web Uapl [CHAC2a_webua]

D2585766E Ver. 1.06 -> D2585766F Ver. 1.07

Network Support [CHAC2a_net]

D2585769G Ver. 16.47.1 -> D2585769L Ver. 16.51

NetworkDocBox [CHAC2a_netfile]

D2585770F Ver. 1.03

Printer [CHAC2e_Printer]

D2585772J Ver. 1.05 -> D2585772M Ver. 1.08

GWFCU3.8-14(WW) [GW1a_efax_fcu1Z]

D2585755E Ver. 03.00.00 -> D2585755F Ver. 04.00.00

PCL [CHC2e_prt_PCL]

D2585775F Ver. 1.05 -> D2585775G Ver. 1.06

M2a_System [M2a_System]

D2411429B Ver. 1.25 -> D2411429H Ver. 1.29

M2a_LegacyUI [M2a_LegacyUI]

D2411427T Ver. 1.17 -> D2411427Z Ver. 1.22

M2a_WLanguage [M2a_WLanguage]

D2411431J Ver. 1.09 -> D2411431K Ver. 1.10

M2a_Wtonner [M2a_WTonner]

D2411434G Ver. 1.05 -> D2411434H Ver. 1.06

M2a_WFaxInfo [M2a_WFaxInfo]
D2411435E Ver. 1.03 -> D2411435F Ver. 1.04

M2a_WEcoInfo [M2a_WEcoInfo]
D2411437F Ver. 1.06 -> D2411437G Ver. 1.07

M2a_SimpleCopy [M2a_SimpleCopy]
D2411443S Ver. 1.20 -> D2411443T Ver. 1.21

M2a_SimpleScan [M2a_SimpleScan]
D2411444R Ver. 1.15 -> D2411444S Ver. 1.16

M2a_PrinterSJob [M2a_PrinterSJob]
D2411446Q Ver. 1.74 -> D2411446R Ver. 1.75

M2a_MeidaPrtScn [M2a_MeidaPrtScn]
D2411447S Ver. 1.19 -> D2411447T Ver. 1.20

M2a_SmartCopy [M2a_SmartCopy]
D2411454W Ver. 1.24 -> D2411454Y Ver. 1.26

M2a_SmartScan [M2a_SmartScan]
D2411456S Ver. 1.16 -> D2411456T Ver. 1.17

M2a_SmartFAX [M2a_SmartFAX]
D2411457S Ver. 1.21 -> D2411457W Ver. 1.24

Application Site [M2a_zoo]
D2411467J Ver. 1.05.01 -> D2411467L Ver. 1.05.03

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*** Basic Information ***
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[Create date] 2019/03/08

[Program Name] GWFCU3.8-14(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.] D2585755H

[File Information]

File Name D2585755H.fwu

File Type Module for Service

Size 3.94 MB (4129296 byte)

[File Information]

File Name D2585755H.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 05.00.00

Rank C

Symptom corrected:

- 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 04.00.00

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.
- If temporary memory overflows when the machine receive the fax documents, fax reception operation is canceled and Job Log is recorded as user cancellation.

Version 03.00.00

Symptom corrected:

- If [Store and Print] is enabled and a document is deleted from GlobalScan, the FAX function becomes inoperable.
- 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.
- FAX cannot be sent with the status showing "processing" possibly followed by a SC843-02.

Version 02.00.00

Symptom corrected:

- Image may appear abnormal or the machine may stall when sending or receiving an IP-Fax.
- When attempted to send a folder, the memory is consumed and prevents the machine from receiving any documents for an extended period.

Version 01.00.00
1st Mass production

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*** Basic Information ***
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[Create date] 2019/03/12

[Program Name] System/Copy

[Version] 1.18

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2585760X

[File Information]

File Name D2585760X.fwu

File Type Module for Service

Size 33.36 MB (34984504 byte)

[File Information]

File Name D2585760X.rfu

File Type Module for Remote Upgrade

Size 33.37 MB (34992384 byte)

[Availability of RFU] Yes

[Production reflection] 2019/03

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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:

- The time on the Date and Time Widget might be incorrect if the FAX SP1-101-022 (System Switch 15) bit 1(Going into the Energy Saver mode automatically) is set to "1: Disabled".
- When logging in or out repeatedly, SC899 might occur because of an irregular memory exclusion operation.
- SC672-12/SC672-21/SC819-00 may occur after execting "Delete All Data in Address book" when the following conditions are met.
 - 1,000 or more records in All addrss book data.
 - Enhanced Print Volume Use Limitation is enabled.
- SC997 might occur if the machine is turned off right after disabling the color controller.
- When the address book is backed up from an 11S or earlier model and restored to a 14S or later model, SC899 might occur after restoring the address book and restarting the machine.
- When "Application Authentication Settings" is enabled, SC899 might occur after registering or updating an address book over 220 times from Web Image Monitor.
- Image log might not be sent and stay in the device.
- When scanning with ClearlightPDF JPEG2000, SC865-56 might occur.
- @Remote 3G fails to connect to @Remote center server when a device turns to an engine off mode.
- When the auto logout setting is enabled, logout failed message might appear during the printing.
- IEEE802.1x reauthentication fails if the device is in STR energy-saving mode.

Other changes:

- If a firmware package is unpublished (for example, when a bug is discovered after release), it is possible to apply a previous firmware package via ARFU, SFU, and Application Site. (Previously, if a firmware package is unpublished then ARFU, SFU, and Application Site would display an error dialog and the function could not be used.)
- In the event that a problem is discovered which only affects ARFU, SFU, and/or Application Site, updates via those functions can be disabled on the global download server side.
(While still allowing manual downloads by a technician)

[Modification history]

Version 1.17

Rank C

Symptom corrected:

- When the device receive a response of "ICMP unreachable" from a network device, the communication might fail.
- SP1302-005 (Double Feed Detect for LCT) and SP1302-006 (Double Feed Detect for Bypass Tray) are reversed.
 - Bypass Tray setting is falsely applied for the LCT, and vice versa.
- Installation of the Cheetah application from the Web Image Monitor fails when the SSL encryption level is set to "Ciphertext Priority" or "Ciphertext Only".
- SmartSDK application cannot reply to UDP packet when machine is in Energy Saver Mode.
- If the functions below are enabled, the machine might not be able to recover from STR mode, and the functions will fail:

- Auto-backup of the application and its setting for the Smart Operation Panel
- Auto-reception for Cloud Fax
- Auto-update of applications installed via the Application Site
- Copy application and FAX application might not start when pressing these application icons.
- Fails to download files from the firmware download center using ARFU.
- The machine might stall if it enters energy saving mode during ARFU.

Other changes:

- Supported RICOH SmartSDK v2.60

Version 1.16

Rank C

Symptom corrected:

- SC899 might occur when the log capture function is enabled.
- Printer capture data might not be sent when printing a blank page if the capture function is enabled.
- The fax function might not work if the machine isn't turned off for over 300 days after disabling energy saving mode.
- Login might fail and the application icon might not be displayed.
- An SC error might occur when scanning with AirPrint, WSD-Scanner, or DSM.
- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.
- 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.

Other changes:

- Minor change for domestic market.

Version 1.15

Rank C

Symptom corrected:

- 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 1.14

Rank C

Symptom corrected:

- If "Interrupt mode" is pressed in a Legacy application, the home screen might be displayed instead of the original application after "Interrupt mode" is released.
- Fixed a SmartSDK WebAPI bug with the temporary user authentication function.

Version 1.13

Rank C

Symptom corrected:

- The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.

Version 1.12

Rank C

Symptom corrected:

- If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.
- It takes time to login after authenticating the card.
- 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.

Other changes:

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

Version 1.11

Symptom corrected:

- A true/false based API control was added to check the capability of Scan and FAX.
- User usage restrictions do not come into effect if authentication is enabled in Quick Card Authentication
- Cancelling scanning might result in SC990/991 occurring and the machine rebooting.
- The message, "Please wait. The paper tray is being used by another function", is shown and the machine might not be able to print.
- The banner paper (paper length is more than 480 mm) can not be copied.
- Notifications are not displayed in MFP applications even if key counter management or external charge unit management is 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.
- 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.
- 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
- 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 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.

- Remote un-installation for Streamline NX might fail.
- 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.
- 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.

Other changes:

- Added the function to set user usage restrictions for each application.
- Supported RICOH SmartSDK v2.40.
- 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 1.10

Symptom corrected:

- SC687 may occur when restarting a large print job.

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 v1.10 (D2585760N)
Network Support v16.47.1 (D2585769G)
Web Support v1.07 (D2585765J)
Scanner v01.05 (D2585764J)
animation v1.03 (D2585767G)

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

Version 1.09

Symptom corrected:

- Auto Detect may falsely be applied to a job set with a specific custom size, disabling Prinect DFE's connection to the engine.
- In the "Printing text and serial numbers" mode, blank text with serial numbers cannot be copied on the copying sheets.
- SC998 may occur when powering on, if an ESA application is set as a function priority.
- "Apply" button was missing from several confirmation screens in User Tools.Update Animation to v1.02 or later as a set.
- Toner near end alert message contained a typo. Update Animation to v1.02 or later as a set.
- The copier program registered on the operation panel disappears after turning the main switch off and then on.
- OCR cannot recognize characters if converting scanned image to searchable PDF.

Other changes:

- New counter for "Auto Start Copy" (SP8-621-058) and "Interrupt Copy"(8-621-059) via @Remote.
- The machine reboots automatically, if a problem occurs while updating FAX firmware.
- To meet the new Blue Angel standards, the default setting of the Sleep Mode Timer was changed from 60 minutes to 45 minutes.
- A new inspection to verify proper coordinates of the Smart Operation Panel was added in the production line.

Version 1.08

Symptom corrected:

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

Other changes:

- The following SP data can be obtained via @Remote.
SP5-962-001 to 010(SC Number (Error) 1 to 10)
SP5-963-001 to 010(Max Power Supply Voltage 1 to 10)
SP5-964-001 to 010(Mini Power Supply Voltage 1 to 10)
- The start timing for counting the automatic log-out was changed as follows:
Before: the last operation on the touch panel
After: completion of the last job

Version 1.07

Symptom corrected:

- The following behaviors now apply when using an external keyboard:
- While the Shift key is being pressed, caps lock mode is enabled.
- When the Shift and Caps Lock keys are pressed simultaneously, shift lock mode is enabled.
- While the AltGr key is being pressed, special characters can be entered.
- 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.
- SC819 may occur after removing a jam that occurred while printing a large job that fully consumes the printer memory.
- 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.
- SC672 occurs after recovering from sleep mode and SC819 occurs after reboot.
- To enable quicker the detection time and shut down time when SC670 occurs.
- 3-edge full bleed works only for two edges.
- Remaining printing time displayed is incorrect (e.g. 999min) for jobs printed from the document server.
- If an original jams in the sample copy of a stapled job, the first set is not printed out.
- 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.

Other change:

- 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.

- 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.
- Toner near end display ON/OFF SP (SP5061-102) was added.
- The default SP values for Registration Buckle Adjustment were changed.
Note: This change was made to optimize the amount of slack in the paper at registration.
 - SP1-004-006 (Reg Bukle Adj, Thick2): 2 -> 3 [mm]
 - SP1-004-007 (Reg Bukle Adj, Thick3): 2 -> 5 [mm]

Version 1.06

Specification Change:

- The default setting of SP5-112-001 (Non-Std. Paper Sel.) was changed from "0:OFF" to "1:ON."

Symptom corrected:

- [Pro only] If the Fiery controller is connected, pressing the "To the print screen" button in the Adjustment Setting for Skilled Operators menu navigates to the copy screen.
- [Pro only] After replacing a PM part, the system only resets the counter without performing any initialization, which in the worst case may cause the drum cleaning blade to flip and scratch the drum.
- Setting paper on the Bypass tray automatically assigns the Bypass tray as the feed tray.
- If the Bypass tray is set to Auto paper detection and a jam occurs due to a paper size mismatch, jam alert does not appear.
- The operation panel may freeze, if the Start button is pressed in copy mode immediately after recovering from the energy saver mode.

Version 1.05

Specification changes:

- Functions to adjust original margin, creep margin, slip sheet, and reverse output settings were added in the "Copy" mode.
- 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.

Symptoms corrected:

- SC672-11 may occur when the system attempts to recover from Energy Save Mode.
- On machines set with User Code authentication, printing may not start even after entering the user code, if the time synchronization feature is enabled.
- On machines set with User Code authentication, the Start button may turn ineffective, if the Log-out button is pressed immediately after removing an original jam.
- On machines set with CC certified Data Overwrite Security function, the Service Mode Lock setting can falsely be changed by a user other than the machine administrator.

Version 1.04

- [Pro model only] The operation panel may freeze, if searched for a custom paper entry made in the media library.
- SC899 may occur after updating the smart operation panel application/firmware via ARFU.

Version 1.03

1. 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.
2. PM counter for the fusing hot roller was added.

Version 1.02

Fails to restore the encryption key.

Version 1.01

1st Mass production

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*** Basic Information ***

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[Create date] 2019/07/19

[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.] D2585762M

[File Information]

File Name D2585762M.fwu
File Type Module for Service
Size 2.41 MB (2525936 byte)

[File Information]

File Name D2585762M.rfu
File Type Module for Remote Upgrade
Size 2.41 MB (2531584 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

*** Note ***

[Note]

*** Important Notes ***

[Important Notes]

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***** Modification History *****

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[Modifications made:]

Rank C

Symptom corrected:

- Stored recived FAX document may not be printed if energy saving mode is enabled.

[Modification history]

Version 09.00.00

Rank D

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

Version 08.00.00

Rank C

Symptom corrected:

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

Version 07.00.00

Rank C

Symptom corrected:

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

Version 06.00.00

Symptom corrected:

- The Fax application might freeze if printing a received fax.
- The device might not be able to be accessed via the Web Image Monitor.

Version 05.00.00

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:

- The start timing for counting the automatic log-out was changed as follows:

Before: the last operation on the touch panel

After: completion of the last job

Version 04.00.00

Symptom corrected:

- Sending a fax using AirPrint (Fax Out Service) causes an error on the first page.

Version 03.00.00

Symptom corrected:

- SC899 may occur when logging out from a machine with the user authentication enabled.

Version 02.00.00

The following symptoms may occur, if logged out from a machine set with a particular ID authentication*.

ID authentication: Gloria/basic authentication/Windows authentication/LDAP authentication

- Auto journal print and display user name settings are both turned OFF.

- Journal is printed out even if the auto journal print is set to OFF,
if logged out from a machine that made 50 or more transmissions.

Version 01.00.00

1st Mass production

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*** Basic Information ***
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[Create date] 2019/07/22

[Program Name] Scanner

[Version] 01.13

[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.] D2585764S

[File Information]

File Name D2585764S.fwu

File Type Module for Service

Size 5.50 MB (5764444 byte)

[File Information]

File Name D2585764S.rfu

File Type Module for Remote Upgrade

Size 5.50 MB (5771520 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:

- 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.
- When sending a saved document, the captured image file might not be sent if a SmartSDK scanner application is installed.
- 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.
- Image log of Scan job (OCR or high compression PDF) may not be collected correctly.

[Modification history]

Version 01.12

Rank B

Symptom corrected:

- The image logs of jobs scanned by GlobalScan NX might not be captured.
- 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.
- An error might occur when sending mail if the billing code is used with the Card Authentication Package v2.

Version 01.11

Rank C

Symptom corrected:

- 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.

Other changes:

- Supported RICOH SmartSDK v2.60.

Version 01.10

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 01.09

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 01.08

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.

Version 01.07

Rank C

Symptom corrected:

- 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 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.

Other changes:

- Supported RICOH SmartSDK v2.50.

Version 01.06

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 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.
3. When OCR is set and a document over 51 pages is sent by Scan to Email, sending might fail.
4. When OCR is set and a document over 256 pages is scanned, the Scanner application might freeze or SC997 might occur.
5. When scanning from SmartSDK applications, files are stored in PDF/A format even when trying to store the files in TIFF/JPEG format.

Version 01.05

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

[Charis-C2 Office]

System/Copy v1.10 (D2585760N)
Network Support v16.47.1 (D2585769G)
Web Support v1.07 (D2585765J)
Scanner v01.05 (D2585764J)
animation v1.03 (D2585767G)

[Charis-C2 Pro]

System/Copy v1.10 (D2615760M)
Network Support v16.47.1 (D2585769G)
Web Support v1.06 (D2615765J)
Scanner v01.05 (D2585764J)
Standard Operation Panel model:
- OpePanel v1.04 (D2617390H)
Smart Operation Panel model (optional):
- animation v1.03 (D2615767G)

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

Version 01.04

Symptom corrected:

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

Version 01.03

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 01.02

Symptom corrected:

The following behaviors now apply when using an external keyboard:

- While the Shift key is being pressed, caps lock mode is enabled.
- When the Shift and Caps Lock keys are pressed simultaneously, shift lock mode is enabled.
- While the AltGr key is being pressed, special characters can be entered.

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".

Version 01.00

1st Mass production

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*** Basic Information ***
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[Create date] 2017/10/24

[Program Name] Web Uapl

[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.] D2585766F

[File Information]

File Name D2585766F.fwu

File Type Module for Service

Size 2.07 MB (2169280 byte)

[File Information]

File Name D2585766F.rfu

File Type Module for Remote Upgrade

Size 2.07 MB (2175232 byte)

[Availability of RFU] Yes

[Production reflection] 2017/11

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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:

- When using the Web Image Monitor through the Edge browser, a PDF or PDF/A file stored in the Document Server is not downloaded when clicked.

[Modification history]

Version 1.06

Symptom corrected:

- If using Google Chrome when downloading the scanned data from a URL received by email sent through the Scan to URL function, the PDF file cannot download.

Version 1.05

Other changes:

- Envelope and Thick Paper 2 can be set even if Finisher SR4120 or SR4130 is installed.

Version 1.04

1st Mass production

=====
*** Basic Information ***
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[Create date] 2018/11/30

[Program Name] animation

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

[Firmware No.] D2585767H

[File Information]

File Name D2585767H.fwu

File Type Module for Service

Size 11.10 MB (11638128 byte)

[File Information]

File Name D2585767H.rfu

File Type Module for Remote Upgrade

Size 11.11 MB (11645184 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:]

Rank D

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

[Modification history]

Version 1.03

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 v1.10 (D2585760N)

Network Support v16.47.1 (D2585769G)

Web Support v1.07 (D2585765J)

Scanner v01.05 (D2585764J)

animation v1.03 (D2585767G)

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

Version 1.02

Symptom corrected:

- Toner near end alert message contained a typo. Update System/Copy to v1.09 or later as a set.

Version 1.01

- 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.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2019/02/22

[Program Name] Printer

[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.] D2585772P

[File Information]

File Name D2585772P.fwu

File Type Module for Service

Size 5.23 MB (5489192 byte)

[File Information]

File Name D2585772P.rfu

File Type Module for Remote Upgrade

Size 5.24 MB (5497088 byte)

[Availability of RFU] Yes

[Production reflection] 2019/03

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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 Streamline NX is installed, printing might stall if the file contains pages of mixed size or orientation.

[Modification history]

Version 1.09

Rank C

Symptom corrected:

- SC899 might occur when printing a Hold Print file scheduled for a certain time.

Version 1.08

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 1.07

Rank C

Symptom corrected:

- If an IPDS form with an unsupported Cross Feed Dimension value is added, a Feed Dimension error might be displayed instead of a Cross Feed Dimension error.
- An IPDS form with a custom size cannot be applied to trays.

Version 1.06

Symptom corrected:

- 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.
- 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.
- Notifications are not displayed in MFP applications even if key counter management or external charge unit management is enabled.
- 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 1.05

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.

Version 1.03

Other changes:

- Improved the regulation of the amount of toner used for printing.

Version 1.02

Symptom corrected:

- Minor bug correction

Version 1.01

Symptom corrected:

- A coated paper type can be selected from the printer driver even when the optional input tray for coated paper is not installed.

This firmware is dependent on PDF firmware v1.01 (D2585778D) or later, so please be sure to update it.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2019/07/19

[Program Name] PCL

[Version] 1.09

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2585775K

[File Information]

File Name D2585775K.fwu

File Type Module for Service

Size 1.28 MB (1338036 byte)

[File Information]

File Name D2585775K.rfu

File Type Module for Remote Upgrade

Size 1.28 MB (1343744 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 1.08

Rank C

Symptom corrected:

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

Version 1.07

Rank C

Symptom corrected:

- If printing PCL5 data after installing the Andale font on the machine, some Chinese characters might not be printed.

Version 1.06

Fixed:

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

Version 1.05

Fixed:

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

Version 1.04

Symptom corrected:

- Image backgrounds might be filled unexpectedly.
- A pattern put on top of an image or graphic might be blacked out.
- When printing a PCL job which contains images via host printing, an SC899 error might occur.

Version 1.03

Symptom corrected:

- PCL macros that were uploaded to the HDD cannot be printed.
(GFPR#RE16080014)
-

Version 1.02
1st Mass production

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*** Basic Information ***
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[Create date] 2019/07/22

[Program Name] System/Copy

[Version] 1.20

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2585776A

[File Information]

File Name D2585776A.fwu

File Type Module for Service

Size 33.37 MB (34995768 byte)

[File Information]

File Name D2585776A.rfu

File Type Module for Remote Upgrade

Size 33.38 MB (35000576 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:

- The language set for each user may not be applied when logging in during Energy Saving mode.
- Cannot log-in with VM less application during daylight saving time .
(Only in the case that the daylight saving time period start at Oct-Dec)
- A part of registered address may not be shown in Smart Scan feature.
- Wireless direct connection might fail in Group Owner Mode.
- If the authentication setting is changed remotely while logging in from the panel, the operation might hang, and the panel might stall.
- The device might freeze after logging in to the device at address book screen under the following conditions;
 - 1) Central Management is enabled.
 - 2) Either of Windows authentication, LDAP authentication, or Custom authentication is set on User Authentication Management.
- The SC991 log is recorded if the capture file log fails to transfer.

Other changes:

- The Java VM version can be confirmed via @Remote.
- Supported RICOH SmartSDK v2.60
- 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 1.19

Rank C

Supported:

- The CPU is replaced with a newer model, so the BIOS is also updated to support the new model.

Version 1.18

Rank C

Symptom corrected:

- The time on the Date and Time Widget might be incorrect if the FAX SP1-101-022 (System Switch 15) bit 1(Going into the Energy Saver mode automatically) is set to "1: Disabled".
- When logging in or out repeatedly, SC899 might occur because of an irregular memory exclusion operation.
- SC672-12/SC672-21/SC819-00 may occur after execting "Delete All Data in Address book" when the following conditions are met.
 - 1,000 or more records in All addrss book data.
 - Enhanced Print Volume Use Limitation is enabled.
- SC997 might occur if the machine is turned off right after disabling the color controller.
- When the address book is backed up from an 11S or earlier model and restored to a 14S or later model, SC899 might occur after restoring the address book and restarting the machine.
- When "Application Authentication Settings" is enabled, SC899 might occur

after registering or updating an address book over 220 times from Web Image Monitor.

- Image log might not be sent and stay in the device.
- When scanning with ClearlightPDF JPEG2000, SC865-56 might occur.
- @Remote 3G fails to connect to @Remote center server when a device turns to an engine off mode.
- When the auto logout setting is enabled, logout failed message might appear during the printing.
- IEEE802.1x reauthentication fails if the device is in STR energy-saving mode.

Other changes:

- If a firmware package is unpublished (for example, when a bug is discovered after release), it is possible to apply a previous firmware package via ARFU, SFU, and Application Site. (Previously, if a firmware package is unpublished then ARFU, SFU, and Application Site would display an error dialog and the function could not be used.)

Version 1.17

Rank C

Symptom corrected:

- When the device receive a response of "ICMP unreachable" from a network device, the communication might fail.
- SP1302-005 (Double Feed Detect for LCT) and SP1302-006 (Double Feed Detect for Bypass Tray) are reversed.
Bypass Tray setting is falsely applied for the LCT, and vice versa.
- Installation of the Cheetah application from the Web Image Monitor fails when the SSL encryption level is set to "Ciphertext Priority" or "Ciphertext Only".
- SmartSDK application cannot reply to UDP packet when machine is in Energy Saver Mode.
- If the functions below are enabled, the machine might not be able to recover from STR mode, and the functions will fail:
 - Auto-backup of the application and its setting for the Smart Operation Panel
 - Auto-reception for Cloud Fax
 - Auto-update of applications installed via the Application Site
- Copy application and FAX application might not start when pressing these application icons.
- Fails to download files from the firmware download center using ARFU.
- The machine might stall if it enters energy saving mode during ARFU.

Other changes:

- Supported RICOH SmartSDK v2.60

Version 1.16

Rank C

Symptom corrected:

- SC899 might occur when the log capture function is enabled.
- Printer capture data might not be sent when printing a blank page if the capture function is enabled.
- The fax function might not work if the machine isn't turned off for over 300 days after disabling energy saving mode.
- Login might fail and the application icon might not be displayed.
- An SC error might occur when scanning with AirPrint, WSD-Scanner, or DSM.
- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.

- 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.

Other changes:

- Minor change for domestic market.

Version 1.15

Rank C

Symptom corrected:

- 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 1.14

Rank C

Symptom corrected:

- If "Interrupt mode" is pressed in a Legacy application, the home screen might be displayed instead of the original application after "Interrupt mode" is released.
- Fixed a SmartSDK WebAPI bug with the temporary user authentication function.

Version 1.13

Rank C

Symptom corrected:

- The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.

Version 1.12

Rank C

Symptom corrected:

- If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.
- It takes time to login after authenticating the card.
- 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.

Other changes:

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

Version 1.11

Symptom corrected:

- A true/false based API control was added to check the capability of Scan and FAX.
- User usage restrictions do not come into effect if authentication is enabled in Quick Card Authentication
- Cancelling scanning might result in SC990/991 occurring and the machine rebooting.
- The message, "Please wait. The paper tray is being used by another function", is shown and the machine might not be able to print.
- The banner paper (paper length is more than 480 mm) can not be copied.
- Notifications are not displayed in MFP applications even if key counter management or external charge unit management is 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.
- 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.
- 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
- 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 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.
- Remote un-installation for Streamline NX might fail.
- 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.
- 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.

Other changes:

- Added the function to set user usage restrictions for each application.
- Supported RICOH SmartSDK v2.40.
- 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 1.10

Symptom corrected:

- SC687 may occur when restarting a large print job.

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 v1.10 (D2585760N)

Network Support v16.47.1 (D2585769G)

Web Support v1.07 (D2585765J)

Scanner v01.05 (D2585764J)

animation v1.03 (D2585767G)

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

Version 1.09

Symptom corrected:

- Auto Detect may falsely be applied to a job set with a specific custom size, disabling Prinect DFE's connection to the engine.
- In the "Printing text and serial numbers" mode, blank text with serial numbers cannot be copied on the copying sheets.
- SC998 may occur when powering on, if an ESA application is set as a function priority.
- "Apply" button was missing from several confirmation screens in User Tools. Update Animation to v1.02 or later as a set.
- Toner near end alert message contained a typo. Update Animation to v1.02 or later as a set.
- The copier program registered on the operation panel disappears after turning the main switch off and then on.
- OCR cannot recognize characters if converting scanned image to searchable PDF.

Other changes:

- New counter for "Auto Start Copy" (SP8-621-058) and "Interrupt Copy"(8-621-059) via @Remote.
- The machine reboots automatically, if a problem occurs while updating FAX firmware.
- To meet the new Blue Angel standards, the default setting of the Sleep Mode Timer was changed from 60 minutes to 45 minutes.
- A new inspection to verify proper coordinates of the Smart Operation Panel was added in the production line.

Version 1.08

Symptom corrected:

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

Other changes:

- The following SP data can be obtained via @Remote.
SP5-962-001 to 010(SC Number (Error) 1 to 10)
SP5-963-001 to 010(Max Power Supply Voltage 1 to 10)
SP5-964-001 to 010(Mini Power Supply Voltage 1 to 10)
- The start timing for counting the automatic log-out was changed as follows:
Before: the last operation on the touch panel
After: completion of the last job

Version 1.07

Symptom corrected:

- The following behaviors now apply when using an external keyboard:
- While the Shift key is being pressed, caps lock mode is enabled.
- When the Shift and Caps Lock keys are pressed simultaneously, shift lock mode is enabled.
- While the AltGr key is being pressed, special characters can be entered.
- 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.
- SC819 may occur after removing a jam that occurred while printing a large job that fully consumes the printer memory.
- 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.
- SC672 occurs after recovering from sleep mode and SC819 occurs after reboot.
- To enable quicker the detection time and shut down time when SC670 occurs.
- 3-edge full bleed works only for two edges.
- Remaining printing time displayed is incorrect (e.g. 999min) for jobs printed from the document server.
- If an original jams in the sample copy of a stapled job, the first set is not printed out.
- 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.

Other change:

- 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.
- 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.
- Toner near end display ON/OFF SP (SP5061-102) was added.
- The default SP values for Registration Buckle Adjustment were changed.
Note: This change was made to optimize the amount of slack in the paper at registration.
 - SP1-004-006 (Reg Bukle Adj, Thick2): 2 -> 3 [mm]
 - SP1-004-007 (Reg Bukle Adj, Thick3): 2 -> 5 [mm]

Version 1.06

Specification Change:

- The default setting of SP5-112-001 (Non-Std. Paper Sel.) was changed from "0:OFF" to "1:ON."

Symptom corrected:

- [Pro only] If the Fiery controller is connected, pressing the "To the print screen" button in the Adjustment Setting for Skilled Operators menu navigates to the copy screen.
- [Pro only] After replacing a PM part, the system only resets the counter without performing any initialization, which in the worst case may cause the drum cleaning blade to flip and scratch the drum.

- Setting paper on the Bypass tray automatically assigns the Bypass tray as the feed tray.
- If the Bypass tray is set to Auto paper detection and a jam occurs due to a paper size mismatch, jam alert does not appear.
- The operation panel may freeze, if the Start button is pressed in copy mode immediately after recovering from the energy saver mode.

Version 1.05

Specification changes:

- Functions to adjust original margin, creep margin, slip sheet, and reverse output settings were added in the "Copy" mode.
- 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.

Symptoms corrected:

- SC672-11 may occur when the system attempts to recover from Energy Save Mode.
- On machines set with User Code authentication, printing may not start even after entering the user code, if the time synchronization feature is enabled.
- On machines set with User Code authentication, the Start button may turn ineffective, if the Log-out button is pressed immediately after removing an original jam.
- On machines set with CC certified Data Overwrite Security function, the Service Mode Lock setting can falsely be changed by a user other than the machine administrator.

Version 1.04

- [Pro model only] The operation panel may freeze, if searched for a custom paper entry made in the media library.
- SC899 may occur after updating the smart operation panel application/firmware via ARFU.

Version 1.03

1. 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.
2. PM counter for the fusing hot roller was added.

Version 1.02

Fails to restore the encryption key.

Version 1.01
1st Mass production

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

[Create date] 2017/07/13

[Program Name] PDF

[Version] 1.03

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2585778F

[File Information]

File Name D2585778F.fwu

File Type Module for Service

Size 4.63 MB (4859164 byte)

[File Information]

File Name D2585778F.rfu

File Type Module for Remote Upgrade

Size 4.64 MB (4866304 byte)

[Availability of RFU] Yes

[Production reflection] 2017/08

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*** Note ***
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[Note]

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

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

Fixed:

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

[Modification history]

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.
- An SC899 error might occur when printing a document that has fewer than four colors for CMYK specified.

Version 1.01

Symptom corrected:

- A coated paper type can be selected from the printer driver even when the optional input tray for coated paper is not installed.
This firmware is dependent on Printer firmware v1.01 (D2585772E) or later, so please be sure to update it.

Version 1.00

1st Mass production

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

[Create date] 2019/02/27

[Program Name] Java VM v12 std for eDC

[Version] 12.65.01

[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.] D2585780P_edc

[File Information]

File Name D2585780P_edc.ifu

File Type Module for Service

Size 64.01 MB (67117532 byte)

[Availability of RFU] No

[Production reflection] 2019/03

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*** Note ***
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[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- Errors might be occurred by using the Globalscan.
- When JavaVM launched "NullPointerException" error message may be displayed, and JavaVM startup may fail.
- SDK application might not startup if the Stream Line NX settings changed.

[Modification history]

Version 12.62.00

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.

Version 12.59.01

Rank C

Symptom corrected:

- The SDK application may stop suddenly due to the increase of memory usage.

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 Global Scan is installed.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.
- Printing via CAPv2/ELPv2 is slow.

Version 12.54.00

Symptom corrected:

- 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 12.51.01

Symptom corrected:

- 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.
- When showing the device status via a Solution Product (Streamline and CAP/ELP), the device's HDD capacity is not displayed correctly.

Version 12.49.00

Symptom corrected:

- If the Java VM parameters are changed remotely, the changes do not take effect even after rebooting the machine.
- 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:

- Minor bug correction.

Version 12.44.01

Symptom corrected:

1. After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
2. When "Tracking Permission" and "Stop Printing" are enabled in

"Enhanced Print Volume Limitation", processing of the job might fail.

3. 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
1st Mass production

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

[Create date] 2019/02/27

[Program Name] Java VM v12 std UpdateTool

[Version] 12.65.01

[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.] D2585780P_upd

[File Information]

File Name D2585780P_upd.exe

File Type Module for Service

Size 63.75 MB (66844891 byte)

Check Sum -8Bit Sum: 26AF

 -16Bit Sum(Little Endian): BDE3

 -16Bit Sum(Big Endian): 17CC

[Availability of RFU] No

[Production reflection] 2019/03

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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:

- Errors might be occurred by using the Globalscan.
- When JavaVM launched "NullPointerException" error message may be displayed, and JavaVM startup may fail.
- SDK application might not startup if the Stream Line NX settings changed.

[Modification history]

Version 12.62.00

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.

Version 12.59.01

Rank C

Symptom corrected:

- The SDK application may stop suddenly due to the increase of memory usage.

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 Global Scan is installed.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.
- Printing via CAPv2/ELPv2 is slow.

Version 12.54.00

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 if an SDK application is set as a priority function.

- 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 12.51.01

Symptom corrected:

- When showing the device status via a Solution Product (Streamline and CAP/ELP), the device's HDD capacity is not displayed correctly.
- 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.

Version 12.49.00

Symptom corrected:

- If the Java VM parameters are changed remotely, the changes do not take effect even after rebooting the machine.
- 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:

- Minor bug correction.

Version 12.44.01

Symptom corrected:

1. After applying the security update that changes the priority

order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.

2. When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
3. 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
1st Mass production

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

[Create date] 2019/11/20

[Program Name] CheetahSystem

[Version] 1.19

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) CHN(all)

[Firmware No.] D261531V

[File Information]

File Name D261531V.zip

File Type Module for Service

Size 192.32 MB (201660983 byte)

[Availability of RFU] No

[Production reflection] 2019/11

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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 selected language is different before and after logging onto the Streamline NX, the following symptom might occur. When the machine is rebooted after changing some machine settings, the set language will not be displayed correctly on the logon menu for Streamline NX.
- When the User's Own Customization setting is allowed, normal startup will start, even if the Control Panel Startup Mode is set to "quick".
- Fails to download the Ricoh Streamline NX v3.
- After the package firmware is updated, Cheetah applications and system settings might not be correctly updated if the machine is not power cycled.

[Modification history]

Version 1.18
Rank B

Symptom corrected:

- Cannot login with some specific authentication application during the daylight-saving time.
- Setting the Function Priority remotely with the SmartSDK WebAPI might fail if an application other than the home screen is currently displayed on the operation panel.
- The device with CAP/ELP may not be found via Configuration Tool after system reset of device.
- When user uses the proxy server with SSL decoding function, following phenomenon will be occurred.
 - * Cannot connect to Application Site.
 - * Certificate error occurs when user connect to https site such as RICOH Smart Integration site.
 - * The update might fail with error 235, when the package firmware update is conducted.

Version 1.17
Rank B

Symptom corrected:

- SmartSDK application cannot reply to UDP packet when machine is in Energy Saver Mode.
- When the user interrupts during previewing the scanned document with using Web Browser NX based application and transits to another screen such as the Home screen, the web page is reloaded and user would then need to execute the scan job from the beginning.
- With firmware combination below, the Home button is not displayed, making it impossible to switch between applications.
 - Cheetah System; version 1.30 or older
 - Legacy UI: version 1.23 or newer
- Descriptions might be displayed in English in Smart Integration application, when Brazilian Portuguese is selected.
- Remote config API might not be available when "Machine Management" in the "Administrator Authentication Management" is disabled.
- After returning from Energy Saver mode, when using the shortcut icon to access a site that displays the certificate warning dialog,

the dialog is displayed briefly and Web Browser NX freezes.

Other changes:

- Support for SHA-2 signed applications installation.

Version 1.16

Rank C

Symptom corrected:

- The update of CheetahSystem firmware might not be completed if JavaVM is disabled on the device.
- A Smart Operation Panel application might not be activated during installation from a remote installation tool if JavaVM is not enabled on the device.
- Remote Installation fail issue when the machine is in energy saving mode fixed.
- An update to a Smart Operation Panel application using a remote installation tool might not be completed if JavaVM is not enabled on the device.

Other changes:

- 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.
- Error LED is indicated, and the status in "Check Status" is displayed, for SmartSDK application.
- Supported RICOH SmartSDK v2.60

Version 1.15

Rank C

Symptom corrected:

- Operation panel freezes while updating firmware.
- Installer will crash in situations where updating via Application Site is failed.

Other changes:

- Hybrid applications that were not installed from the Application Site can now be updated or uninstalled from the Application Site.

Version 1.14

Rank C

Symptom corrected:

- System auto reset or auto logout occurs while using external input device (ex. keyboard,mouse).
- The machine does not return from the energy saving mode if the NFC card RW is connected to the operation unit,
- Nothing is displayed on the screen of the operation panel after switching the screen.
- The operation panel does not reboot normally after recovering from the sleep state.
- The center coordinates of the screen might be misaligned even after calibrating with "Touch Screen Adjust".
- Full screen video is not displayed correctly in the Cheetah G2 browser.

- The Smart Device Connector stops working if connected via Bluetooth for an extended period of time.
- The function keys on the banner cannot be pressed until five seconds after login.

Other changes:

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

Version 1.13
Rank C

Symptom corrected:

- User Information is included in the debug log.
- Login fails if the NDEF (NFC Data Exchange Formation) type of IC card is used for IC card authentication.
- The message, "Unfortunately, Settings2 has stopped", may appear and User Tools cannot be accessed if Cheetah firmware v1.24 or earlier is applied to the SOP with firmware v1.25 or v1.26.
- The message that Settings 2 has stopped may appear when powering on the machine.

Other changes:

- The ICE icon is displayed by default in North American models.
- When installing the Browser NX application from the Application Site, the required firmware can be checked and updated.
- Applications for the web browser can be downloaded from the Application Site.
- When a user with installation authority from the Application Site checks the details page of the new application notification, the notice will not be displayed on the operation panel.
- The period for the automatic update of applications has been extended.
- Added the function to set user usage restrictions for each application.

Version 1.12
Rank C

Symptom corrected:

- A bug of SmartSDK API was fixed.
- Even though user manual site is accessed from the operation panel, log collection tool cannot detect the information.
- Even if FAX function is not installed on the machine, FAX-related sounds can be set.
- The device might not access from the remote tools such as Device Manager NX or GlobalScan NX.
- Printing after a user logs in might cause printing to fail.
- The operation panel may stall at start up or after recovering from the energy saving mode.
- Fixed CVE-2016-3819, CVE-2016-3822, CVE-2016-0718, CVE-2016-3863, CVE-2016-6702, CVE-2016-6703, CVE-2015-1283 and CVE-2012-6702.

- Following symptom may occur when installing software application via SD card:
 - 'Legacy UI' application is uninstalled.
 - The application is not completely installed.
 - Fail to install the application.
- The following issues might occur on the machine when updating the package firmware:
 - Error 22 occurs when updating via ARFU.
 - E228 occurs when updating via SD card.
- Remote installation from device management tool cannot be conducted as long as administrator certification function is invalid.

Other changes:

- Corresponding to Application Site v1.1, the following modifications have been made:
 - When a new or updatable application is available in the Application Site, messages are displayed in the widget and banner on the home screen.
 - When first opening the Application Site, a caution message regarding the proxy settings is displayed.
 - The eDC domain is tied to the region.
 - Applications can be forcibly uninstalled with Screen Service login.
 - Some applications that were not installed from the Application Site can be updated and deleted from the Application Site.
 - Reduced the startup time of the Application Site.
 - Improved the error and troubleshooting messages.
 - The Application Site can switch to either the test server or the production server when connecting to the eDC server.
 - When the Application Site is opened for the second time after turning on the main power, the start-up time is improved by using the cache without reloading the site.
- Support for a new eMMC used in the SOP.
- Trial applications that include restrictions on data availability and/or available models can be installed and have those restrictions controlled.
- Supported RICOH SmartSDK v2.50.
- Supported RICOH SmartSDK v2.40.
- Applications are not uninstalled even if the expiration date of the manifest file has passed.

Version 1.11

Other Changes:

- The energy consumed for shutdown is reduced when quick boot mode is selected.
- A new inspection to verify proper coordinates of the Smart Operation Panel was added in the production line.
- When recovering from low energy mode, the writing frequency on eMMC is minimized.

Symptom Corrected:

- When importing the icon location information, some applications not included in the information might be displayed.
- Smart Device Authentication with Blue Tooth might fail.
- The NFC card is not correctly recognized by the reader.
- The machine might not work properly after rebooting.
- SC998 might occur after recovering from low energy mode.
- If logged-in to SP mode through the operation panel only, pressing the shutdown button does not log out.
- The job information of other users might be shown on the On-Demand Print monitor.
- The "Cannot connect to the machine HDD" error message is displayed when starting the Quick Print Release application.

- The machine might start to reboot if the monitor image becomes blurred.
- When the log-in dialog is not set to be displayed, the SDKJ application icon that is configured to conduct the application-specific authentication is not displayed on the home screen.
- When a device is in Energy Save mode, the device operation panel will show the "Log in" screen after a user swipes an IC card. This issue occurs in the case that Streamline NX v2 or Card Authentication Package v2 is used as the authentication system.
- Fixed CVE-2016-2507, CVE-2016-2508, CVE-2016-3861, and CVE-2016-3862.
- Fixed CVE-2011-3881 and CVE-2014-6041.

Version 1.10

Symptom Corrected:

- When a forced shutdown of the SDK Service process occurs, the application cannot continue operating.

Other Change:

- Corresponding to Application Site v1.1, the following modifications have been made:
 - When first opening the Application Site, a caution message regarding the proxy settings is displayed.
 - When a new or updatable application is available in the Application Site, messages are displayed in the widget and banner on the home screen.
 - The eDC domain is tied to the region.
 - When the Application Site is opened for the second time after turning on the main power, the start-up time is improved by using the cache without reloading the site.
- Supported RICOH SmartSDK v2.40.
- More languages supported for the smart operation panel.

Version 1.09

Symptom corrected:

- Packet communication with external site is initiated at an unexpected timing.
- The count-up function in the Guidance Setting application does not work when turning ON the machine.

Version 1.08

Symptom corrected:

- [For Taiwan only] Opening the Rimoco QR code application causes a force shutdown of the application.
- Cannot log in by hovering the NFC card over the card reader.
- Message "Card Authentication device are not connected." appears when hovering the IC authentication card over the card reader and the user is unable to log in.
- The screen may stall when running ARFU.
- Update of package firmware via ARFU (Auto Remote Firmware Update) may fail.
- SOP may unexpectedly reboot while entering sleep mode and may also

be followed by SC819/SC672.

- Inserting an SD card causes an access error followed by a system reboot.
- The Multi Touch Calibration procedure displayed in the self-diagnosis is incorrect.

Other changes:

- "u:ma" reader was added, to avoid warning messages from appearing during maintenance with USB connection.
- When starting up the smart operation panel by itself, the start up can be cancelled by pressing and holding the STOP key.
- More than five languages can be added to the "Change Langs. Widget" on the smart operation panel.
- Executing [Device Setting Information: Export (Memory Storage Device)] causes applications such as Legacy, Simple application, etc. to appear on the screen.
- The following modifications were made in line with the release of Application Site v1.1:
 - * Enabled forced uninstallation of application when access to the server fails.
 - * The eDC domain is tied to the region.
 - * Improved the troubleshooting message that appears when an error occurs.
 - * Enabled connection to a test environment in the eDC server.
 - * Enabled update/removal of applications obtained from sites other than the Application Site.

Version 1.07

Specification Change:

- More languages supported for the smart operation panel.

Symptom corrected:

- If a USB numeric keypad is connected, the machine cannot enter the sleep mode.
- The Smart Operation Panel remains turned off and does not respond.
- Cannot calibrate the Smart Operation Panel successfully.
- The operation panel may remain blacked out and not recover from sleep mode.

Version 1.06

Specification Changes:

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

Symptom corrected:

- The QR code application quits when opening the settings in Taiwanese models.

Version 1.05

Specification Change:

- Registration and activation procedure of the applications available on the home screen were changed.
- To prevent Cheetah application installation for the wrong device,

generation and models of the devices are recognized when installed.

Symptom Corrected:

- Force download of the legacy UI data fails.
- HTTP page may not be displayed correctly, if connected via a proxy server.
- If wireless direct connection is enabled, communication between the connected device is possible (risk of information leakage).
- Operation panel does not light up even if the IC card is hovered over the card reader.
- Confidential data such as passwords are logged and printed out.
- Fails to renew the application license.
- Hybrid application can be installed with an invalid product key (although the activation of the application installed fails).
- If two users log in simultaneously with the IC card from the operation panel and WIM, the system identifies both users as the user logged in from the operation panel.

Version 1.04

1st Mass production for China model.

Version 1.01

1st Mass production

<<Package>>

Package_ALL [CHAC2Pa_pk]

D2615720H Ver. 7.00 -> D2615720K Ver. 8.05

<<Separate>>

Engine [CHAC2a_eplot]

D2585522C Ver. 1.16:02 -> D2585522G Ver. 1.20:02

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005501538](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005501538)

System/Copy [CHAC2Pa_system]

D2615760T Ver. 1.16 -> D2615759A Ver. 1.20

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601405158](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601405158)

Fax [CHAC2a_fax]

D2585762K Ver. 08.00.00 -> D2585762M Ver. 10.00.00

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601404909](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601404909)

RemoteFax [CHAC2a_fax2]

D2585763F Ver. 05.00.00 -> D2585763G Ver. 06.00.00

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005497425](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005497425)

Scanner [CHAC2a_scn]

D2585764P Ver. 01.10 -> D2585764S Ver. 01.13

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601404892](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601404892)

Web Support [CHAC2Pa_web]

D2615765M Ver. 1.09 -> D2615765P Ver. 1.11

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499772](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499772)

Network Support [CHAC2a_net]

D2585769L Ver. 16.51 -> D2585769P Ver. 16.54

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601405141](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601405141)

NetworkDocBox [CHAC2a_netfile]

D2585770F Ver. 1.03 -> D2585770J Ver. 1.06

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601404908](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601404908)

Printer [CHAC2PROd_prt]

D2615771L Ver. 1.08 -> D2615771N Ver. 1.10

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499692](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499692)

Printer [CHAC2PROe_prt]

D2615772M Ver. 1.08 -> D2615772P Ver. 1.10

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499693](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499693)

GWFCU3.8-14(WW) [GW1a_efax_fcu1Z]

D2585755F Ver. 04.00.00 -> D2585755H Ver. 06.00.00

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499952](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499952)

PCL [CHC2e_prt_PCL]

D2585775G Ver. 1.06 -> D2585775K Ver. 1.09

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601405155](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601405155)

PDF [CHC2d_prt_PDF]

D2585777F Ver. 1.03 -> D2585777G Ver. 1.04

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005497466](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005497466)

PDF [CHC2e_prt_PDF]

D2585778F Ver. 1.03 -> D2585778G Ver. 1.04

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005496957](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005496957)

PCL [CHC2d_prt_PCL]

D3D85705D Ver. 1.04 -> D3D85705G Ver. 1.07

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601405154](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601405154)

OpePanel [CHAC2a_epanel]

D2617390H Ver. 1.04 -> D2617390J Ver. 1.05

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499839](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499839)

M2a_System [M2a_System]

D2411425H Ver. 1.29 -> D2411425Q Ver. 1.36

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601406100](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_VerDoc_FRM&ID=4601406100)

M2a_LegacyUI [M2a_LegacyUI]

D2411427Z Ver. 1.22 -> D2411439C Ver. 1.26

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005502069](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005502069)

M2a_MeidaPrtScn [M2a_MeidaPrtScn]

D2411447T Ver. 1.20 -> D2411447V Ver. 1.21

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005502026](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005502026)

M2a_SmartCopy [M2a_SmartCopy]

D2411454Y Ver. 1.26 -> D2411448 Ver. 1.28

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499208](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005499208)

M2a_SmartScan [M2a_SmartScan]

D2411456T Ver. 1.17 -> D2411456X Ver. 1.20

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005502025](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005502025)

M2a_SmartFAX [M2a_SmartFAX]

D2411457W Ver. 1.24 -> D2411457Z Ver. 1.27

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005501646](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005501646)

Application Site [M2a_zoo]

D2411467L Ver. 1.05.03 -> D2411467M Ver. 1.05.04

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005494262](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005494262)

M2a_cspf [M2a_cspf]

D1961430B Ver. 2.02.00 -> D2411433 Ver. 2.02.01

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005494516](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005494516)

M2a_M2a_RemSptSvc [M2a_RemSptSvc]

D1961459C Ver. 1.1

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005496630](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005496630)

M2a_RemAssist [M2a_RemAssist]

D2411470A Ver. 1.0.5

[http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?
&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005498224](http://seres.isd.ricoh.co.jp/seres_v22/servlet/VSORFwDirectServlet?&ACT_TAG=VSOR_ANC_DPN_RelNote_FRM&ID=1005498224)

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

[Create date] 2019/07/22

[Program Name] System/Copy

[Version] 1.20

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2615759A

[File Information]

File Name D2615759A.fwu

File Type Module for Service

Size 33.55 MB (35183240 byte)

[File Information]

File Name D2615759A.rfu

File Type Module for Remote Upgrade

Size 33.56 MB (35188992 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

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

[Note]

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

[Important Notes]

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

=====
[Modifications made:]

Rank C

Symptom corrected:

- The language set for each user may not be applied when logging in during Energy Saving mode.
- Cannot log-in with VM less application during daylight saving time .
(Only in the case that the daylight saving time period start at Oct-Dec)
- A part of registered address may not be shown in Smart Scan feature.
- Wireless direct connection might fail in Group Owner Mode.
- If the authentication setting is changed remotely while logging in from the panel, the operation might hang, and the panel might stall.
- The device might freeze after logging in to the device at address book screen under the following conditions;
 - 1) Central Management is enabled.
 - 2) Either of Windows authentication, LDAP authentication, or Custom authentication is set on User Authentication Management.
- The SC991 log is recorded if the capture file log fails to transfer.

Other changes:

- The Java VM version can be confirmed via @Remote.
- Supported RICOH SmartSDK v2.60
- 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 1.19

Rank C

Supported:

- The CPU is replaced with a newer model, so the BIOS is also updated to support the new model.

Version 1.18

Rank C

Symptom corrected:

- The time on the Date and Time Widget might be incorrect if the FAX SP1-101-022 (System Switch 15) bit 1(Going into the Energy Saver mode automatically) is set to "1: Disabled".
- When logging in or out repeatedly, SC899 might occur because of an irregular memory exclusion operation.
- SC672-12/SC672-21/SC819-00 may occur after execting "Delete All Data in Address book" when the following conditions are met.
 - 1,000 or more records in All addrss book data.
 - Enhanced Print Volume Use Limitation is enabled.
- SC997 might occur if the machine is turned off right after disabling the color controller.
- When the address book is backed up from an 11S or earlier model and restored to a 14S or later model, SC899 might occur after restoring the address book and restarting the machine.
- When "Application Authentication Settings" is enabled, SC899 might occur

after registering or updating an address book over 220 times from Web Image Monitor.

- Image log might not be sent and stay in the device.
- When scanning with ClearlightPDF JPEG2000, SC865-56 might occur.
- @Remote 3G fails to connect to @Remote center server when a device turns to an engine off mode.
- Message "Please Wait" remains displayed on the operation panel after turning On the main power. The power has to be cycled Off/On to recover.
- SC866-00 might occur if the machine is updated via an SD card which is including too many modules.
- When the auto logout setting is enabled, logout failed message might appear during the printing.

Other changes:

- If a firmware package is unpublished (for example, when a bug is discovered after release), it is possible to apply a previous firmware package via ARFU, SFU, and Application Site.
- (Previously, if a firmware package is unpublished then ARFU, SFU, and Application Site would display an error dialog and the function could not be used.)
- The default setting of the Auto Tray Switching was changed from [Off] to [With Image Rotation].

Version 1.17

Rank C

Symptom corrected:

- When the device receive a response of "ICMP unreachable" from a network device, the communication might fail.
- SP1302-005 (Double Feed Detect for LCT) and SP1302-006 (Double Feed Detect for Bypass Tray) are reversed.

Bypass Tray setting is falsely applied for the LCT, and vice versa.

- Corrected the following Menu Items in Adjustment Settings for Skilled Operators:
0821 Adjust Folding Speed for Booklet ---> 0821: Set Number of Folds for Booklet
- Installation of the Cheetah application from the Web Image Monitor fails when the SSL encryption level is set to "Ciphertext Priority" or "Ciphertext Only".
- SmartSDK application cannot reply to UDP packet when machine is in Energy Saver Mode.
- When the memory capacity reaches full, the job gets canceled followed by SC919.
- If the functions below are enabled, the machine might not be able to recover from STR mode, and the functions will fail:
 - Auto-backup of the application and its setting for the Smart Operation Panel
 - Auto-reception for Cloud Fax
 - Auto-update of applications installed via the Application Site
- Copy application and FAX application might not start when pressing these application icons.
- Fails to download files from the firmware download center using ARFU.
- The machine might stall if it enters energy saving mode during ARFU.
- 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.
- 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.
- The machine wakes up from the sleep mode when it receives a MIB request from @Remote.
- Running heavy jobs continuously from the Fiery controller may cause the image to slightly shift in main scan direction.

When installing this release (System/Copy ver. 1.17), be sure to install the following firmware together as a set.

Engine 1.17:02 or later

Other changes:

- Supported RICOH SmartSDK v2.60
- A minor change only for the Japanese model.
- Added html format for Scan to Email function.

Version 1.16

Rank C

Symptom corrected:

- SC899 might occur when the log capture function is enabled.
- Printer capture data might not be sent when printing a blank page if the capture function is enabled.
- Login might fail and the application icon might not be displayed.
- An SC error might occur when scanning with AirPrint, WSD-Scanner, or DSM.
- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.
- 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.

Other changes:

- Reduced the minimum width to 100mm for output from the SR5070/SR5080.
- Textured paper can be selected and fed from the printer trays (Tray 1, 2, and 3) and Large Capacity Tray and Cover Interposer Tray.
- Update EFI Controller PS driver to Win: PS3 v1.0.1 or later/Mac:PPDInstaller v1.0.4(E-24B)/1.0.5(E-44B) or later as a set.
- Minor change for domestic market.

Version 1.15

Rank C

Symptom corrected:

- 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 1.14

Rank C

Symptom corrected:

- SC899 occurs when printed a duplex job that exceeds the max allowable pages.
- Fixed a SmartSDK WebAPI bug with the temporary user authentication function.

Version 1.13

Rank C

Symptom corrected:

- The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.

Version 1.12

Rank C

Symptom corrected:

- If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.
- It takes time to login after authenticating the card.
- 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.

Other changes:

- Reduced the minimum width to 100mm for output from the SR5070/SR5080.
- Added a new feature for the SmartSDK WebAPI.
- Supported RICOH SmartSDK v2.50.

Version 1.11

Symptom corrected:

- A true/false based API control was added to check the capability of Scan and FAX.
- User usage restrictions do not come into effect if authentication is enabled in Quick Card Authentication
- Cancelling scanning might result in SC990/991 occurring and the machine rebooting.
- Copy works only up to 480mm in length even if the original is longer than 480mm.
- The message, "Please wait. The paper tray is being used by another function", is shown and the machine might not be able to print.
- Pressing the interrupt key on the standard operation panel may cause the display to freeze.
- If the Fiery connects to the printer while the printer is shutting down, the Fiery screen on the printer operation panel does not appear the next time the printer is powered ON.
- 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.
- 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
- 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 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.
- Remote un-installation for Streamline NX might fail.
 - 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.

Other changes:

- Added the function to set user usage restrictions for each application.
 - Supported RICOH SmartSDK v2.40.
 - 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 1.10

Symptom corrected:

- SP5-850-003 (Replacement of Circuit Classifications) is invalid.

[0 to 13 / 1 / 1/step]]

- 1: G3
- 2: EXT
- 3: G3-1
- 4: G3-1- EXT
- 5: G3-2
- 6: G3-2- EXT
- 7: G3-3
- 8: G3-3-EXT
- 9: G3-idle-EXT
- 10: idle-EXT
- 11: I-G3
- 12: I-G3-EXT
- 13: G4

- SC687 may occur when restarting a large print job.

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 v1.10 (D2615760M)

Network Support v16.47.1 (D2585769G)

Web Support v1.06 (D2615765J)

Scanner v01.05 (D2585764J)

Standard Operation Panel model:

- OpePanel v1.04 (D2617390H)

Smart Operation Panel model (optional):

- animation v1.03 (D2615767G)

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

Version 1.09

Symptom corrected:

- Auto Detect may falsely be applied to a job set with a specific

- custom size, disabling Prinect DFE's connection to the engine.
- In the "Printing text and serial numbers" mode, blank text with serial numbers cannot be copied on the copying sheets.
- SC998 may occur when powering on, if an ESA application is set as a function priority.
- "Apply" button was missing from several confirmation screens in User Tools. Update OpePanel to v1.03 or later and Animation to v1.02 or later as a set.
- The Fiery icon does not appear on the operation panel in copier mode after recovering from the energy saver mode.
- Toner near end alert message contained a typo. Update OpePanel to v1.03 or later and Animation to v1.02 or later as a set.
- The copier program registered on the operation panel disappears after turning the main switch off and then on.
- OCR cannot recognize characters if converting scanned image to searchable PDF.
- 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.

Other changes:

- New counter for "Auto Start Copy" (SP8-621-058) and "Interrupt Copy" (8-621-059) via @Remote.
- The machine reboots automatically, if a problem occurs while updating FAX firmware.
- "Coated Weight 2 paper" can be fed to Finisher SR4120/SR4130, but is not guaranteed by spec.
- To meet the new Blue Angel standards, the default setting of the Sleep Mode Timer was changed from 60 minutes to 45 minutes.
- A new inspection to verify proper coordinates of the Smart Operation Panel was added in the production line.
- Supports Arabic

Version 1.08

Symptom corrected:

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

Other changes:

- In addition to the bypass tray and LCT, the mainframe trays support textured paper. (GW+ controller)
- The following SP data can be obtained via @Remote.
 - SP5-962-001 to 010 (SC Number (Error) 1 to 10)
 - SP5-963-001 to 010 (Max Power Supply Voltage 1 to 10)
 - SP5-964-001 to 010 (Mini Power Supply Voltage 1 to 10)
- 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 1.07

Symptom corrected:

- The following behaviors now apply when using an external keyboard:

- While the Shift key is being pressed, caps lock mode is enabled.
- When the Shift and Caps Lock keys are pressed simultaneously, shift lock mode is enabled.
- While the AltGr key is being pressed, special characters can be entered.
- 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.
- SC819 may occur after removing a jam that occurred while printing a large job that fully consumes the printer memory.
- 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.
- SC672 occurs after recovering from sleep mode and SC819 occurs after reboot.
- If paper library data had been backed up and restored, a paper mismatch error may occur with jobs using custom paper.
- To enable quicker the detection time and shut down time when SC670 occurs.
- 3-edge full bleed works only for two edges.
- Poor feeding of texture paper from the mainframe trays.
- Remaining printing time displayed is incorrect (e.g. 999min) for jobs printed from the document server.
- If an original jams in the sample copy of a stapled job, the first set is not printed out.
- 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.

Other change:

- 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.
- 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.
- Toner near end display ON/OFF SP (SP5061-102) was added.
- The default SP values for Registration Buckle Adjustment were changed.
Note: This change was made to optimize the amount of slack in the paper at registration.
 - SP1-004-006 (Reg Bukle Adj, Thick2) : 2 -> 3 [mm]
 - SP1-004-007 (Reg Bukle Adj, Thick3) : 2 -> 5 [mm]
- Saddle-stitching is supported up to 25 sheets with the following applications.
 - GW printer
 - GW copy
- Supported maximum paper length (along feed direction) for SR5000 series Output Tray for Banner Sheet Type S6 was changed to 1260mm from 700mm.

Version 1.06

Specification Change:

- The default setting of SP5-112-001 (Non-Std. Paper Sel.) was changed from "0:OFF" to "1:ON."

Symptom corrected:

- [Pro only] If the Fiery controller is connected, pressing the "To the print screen" button in the Adjustment Setting for Skilled

Operators menu navigates to the copy screen.

- [Pro only] After replacing a PM part, the system only resets the counter without performing any initialization, which in the worst case may cause the drum cleaning blade to flip and scratch the drum.
- Setting paper on the Bypass tray automatically assigns the Bypass tray as the feed tray.
- If the Bypass tray is set to Auto paper detection and a jam occurs due to a paper size mismatch, jam alert does not appear.
- The operation panel may freeze, if the Start button is pressed in copy mode immediately after recovering from the energy saver mode.

Version 1.05

Specification changes:

- Functions to adjust original margin, creep margin, slip sheet, and reverse output settings were added in the "Copy" mode.
- 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.

Symptoms corrected:

- SC672-11 may occur when the system attempts to recover from Energy Save Mode.
- On machines set with User Code authentication, printing may not start even after entering the user code, if the time synchronization feature is enabled.
- On machines set with User Code authentication, the Start button may turn ineffective, if the Log-out button is pressed immediately after removing an original jam.

Version 1.04

1st Mass production

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*** Basic Information ***
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[Create date] 2019/04/12

[Program Name] System/Copy

[Version] 1.18

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2615760W

[File Information]

File Name D2615760W.fwu

File Type Module for Service

Size 33.54 MB (35172252 byte)

[File Information]

File Name D2615760W.rfu

File Type Module for Remote Upgrade

Size 33.55 MB (35176704 byte)

[Availability of RFU] Yes

[Production reflection] 2019/03

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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:

- The time on the Date and Time Widget might be incorrect if the FAX SP1-101-022 (System Switch 15) bit 1(Going into the Energy Saver mode automatically) is set to "1: Disabled".
- When logging in or out repeatedly, SC899 might occur because of an irregular memory exclusion operation.
- SC672-12/SC672-21/SC819-00 may occur after execting "Delete All Data in Address book" when the following conditions are met.
 - 1,000 or more records in All addrss book data.
 - Enhanced Print Volume Use Limitation is enabled.
- SC997 might occur if the machine is turned off right after disabling the color controller.
- When the address book is backed up from an 11S or earlier model and restored to a 14S or later model, SC899 might occur after restoring the address book and restarting the machine.
- When "Application Authentication Settings" is enabled, SC899 might occur after registering or updating an address book over 220 times from Web Image Monitor.
- Image log might not be sent and stay in the device.
- When scanning with ClearlightPDF JPEG2000, SC865-56 might occur.
- @Remote 3G fails to connect to @Remote center server when a device turns to an engine off mode.
- Message "Please Wait" remains displayed on the operation panel after turning On the main power. The power has to be cycled Off/On to recover.
- SC866-00 might occur if the machine is updated via an SD card which is including too many modules.
- When the auto logout setting is enabled, logout failed message might appear during the printing.

Other changes:

- If a firmware package is unpublished (for example, when a bug is discovered after release), it is possible to apply a previous firmware package via ARFU, SFU, and Application Site.
- (Previously, if a firmware package is unpublished then ARFU, SFU, and Application Site would display an error dialog and the function could not be used.)
- In the event that a problem is discovered which only affects ARFU, SFU, and/or Application Site, updates via those functions can be disabled on the global download server side. (While still allowing manual downloads by a technician)
- The default setting of the Auto Tray Switching was changed from [Off] to [With Image Rotation].

[Modification history]

Version 1.17

Rank C

Symptom corrected:

- When the device receive a response of "ICMP unreachable" from a network device, the communication might fail.
- SP1302-005 (Double Feed Detect for LCT) and SP1302-006 (Double Feed Detect for Bypass Tray)

are reversed.

Bypass Tray setting is falsely applied for the LCT, and vice versa.

- Corrected the following Menu Items in Adjustment Settings for Skilled Operators:
0821 Adjust Folding Speed for Booklet ---> 0821: Set Number of Folds for Booklet
- Installation of the Cheetah application from the Web Image Monitor fails when the SSL encryption level is set to "Ciphertext Priority" or "Ciphertext Only".
- SmartSDK application cannot reply to UDP packet when machine is in Energy Saver Mode.
- When the memory capacity reaches full, the job gets canceled followed by SC919.
- If the functions below are enabled, the machine might not be able to recover from STR mode, and the functions will fail:
 - Auto-backup of the application and its setting for the Smart Operation Panel
 - Auto-reception for Cloud Fax
 - Auto-update of applications installed via the Application Site
- Copy application and FAX application might not start when pressing these application icons.
- Fails to download files from the firmware download center using ARFU.
- The machine might stall if it enters energy saving mode during ARFU.
- 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.
- 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.
- The machine wakes up from the sleep mode when it receives a MIB request from @Remote.
- Running heavy jobs continuously from the Fiery controller may cause the image to slightly shift in main scan direction.

When installing this release (System/Copy ver. 1.17), be sure to install the following firmware together as a set.

Engine 1.17:02 or later

Other changes:

- Supported RICOH SmartSDK v2.60
- A minor change only for the Japanese model.
- Added html format for Scan to Email function.

Version 1.16

Rank C

Symptom corrected:

- SC899 might occur when the log capture function is enabled.
- Printer capture data might not be sent when printing a blank page if the capture function is enabled.
- Login might fail and the application icon might not be displayed.
- An SC error might occur when scanning with AirPrint, WSD-Scanner, or DSM.
- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.
- 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.

Other changes:

- Reduced the minimum width to 100mm for output from the SR5070/SR5080.
- Textured paper can be selected and fed from the printer trays (Tray 1, 2, and 3) and Large Capacity Tray and Cover Interposer Tray.
- Update EFI Controller PS driver to Win: PS3 v1.0.1 or later/Mac:PPDInstaller v1.0.4(E-24B)/1.0.5(E-44B) or later as a set.
- Minor change for domestic market.

Version 1.15

Rank C

Symptom corrected:

- 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 1.14

Rank C

Symptom corrected:

- SC899 occurs when printed a duplex job that exceeds the max allowable pages.
- Fixed a SmartSDK WebAPI bug with the temporary user authentication function.

Version 1.13

Rank C

Symptom corrected:

- The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.

Version 1.12

Rank C

Symptom corrected:

- If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.
- It takes time to login after authenticating the card.
- 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.

Other changes:

- Reduced the minimum width to 100mm for output from the SR5070/SR5080.
- Added a new feature for the SmartSDK WebAPI.
- Supported RICOH SmartSDK v2.50.

Version 1.11

Symptom corrected:

- A true/false based API control was added to check the capability of Scan and FAX.
- User usage restrictions do not come into effect if authentication is enabled in Quick Card Authentication
- Cancelling scanning might result in SC990/991 occurring and the

machine rebooting.

- Copy works only up to 480mm in length even if the original is longer than 480mm.
- The message, "Please wait. The paper tray is being used by another function", is shown and the machine might not be able to print.
- Pressing the interrupt key on the standard operation panel may cause the display to freeze.
- If the Fiery connects to the printer while the printer is shutting down, the Fiery screen on the printer operation panel does not appear the next time the printer is powered ON.
- 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.
- 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
- 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 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.
- Remote un-installation for Streamline NX might fail.
- 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.

Other changes:

- Added the function to set user usage restrictions for each application.
- Supported RICOH SmartSDK v2.40.
- 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 1.10

Symptom corrected:

- SP5-850-003 (Replacement of Circuit Classifications) is invalid.

[0 to 13 / 1 / 1/step]]

- 1: G3
- 2: EXT
- 3: G3-1
- 4: G3-1- EXT
- 5: G3-2
- 6: G3-2- EXT
- 7: G3-3
- 8: G3-3-EXT
- 9: G3-idle-EXT
- 10: idle-EXT
- 11: I-G3

12: I-G3-EXT

13: G4

- SC687 may occur when restarting a large print job.

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 v1.10 (D2615760M)

Network Support v16.47.1 (D2585769G)

Web Support v1.06 (D2615765J)

Scanner v01.05 (D2585764J)

Standard Operation Panel model:

- OpePanel v1.04 (D2617390H)

Smart Operation Panel model (optional):

- animation v1.03 (D2615767G)

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

Version 1.09

Symptom corrected:

- Auto Detect may falsely be applied to a job set with a specific custom size, disabling Prinect DFE's connection to the engine.
- In the "Printing text and serial numbers" mode, blank text with serial numbers cannot be copied on the copying sheets.
- SC998 may occur when powering on, if an ESA application is set as a function priority.
- "Apply" button was missing from several confirmation screens in User Tools. Update OpePanel to v1.03 or later and Animation to v1.02 or later as a set.
- The Fiery icon does not appear on the operation panel in copier mode after recovering from the energy saver mode.
- Toner near end alert message contained a typo. Update OpePanel to v1.03 or later and Animation to v1.02 or later as a set.
- The copier program registered on the operation panel disappears after turning the main switch off and then on.
- OCR cannot recognize characters if converting scanned image to searchable PDF.
- 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.

Other changes:

- New counter for "Auto Start Copy" (SP8-621-058) and "Interrupt Copy"(8-621-059) via @Remote.
- The machine reboots automatically, if a problem occurs while updating FAX firmware.
- "Coated Weight 2 paper" can be fed to Finisher SR4120/SR4130, but is not guaranteed by spec.
- To meet the new Blue Angel standards, the default setting of the Sleep Mode Timer was changed from 60 minutes to 45 minutes.
- A new inspection to verify proper coordinates of the Smart Operation Panel was added in the production line.

- Supports Arabic

Version 1.08

Symptom corrected:

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

Other changes:

- In addition to the bypass tray and LCT, the mainframe trays support textured paper. (GW+ controller)
- The following SP data can be obtained via @Remote.
SP5-962-001 to 010 (SC Number (Error) 1 to 10)
SP5-963-001 to 010 (Max Power Supply Voltage 1 to 10)
SP5-964-001 to 010 (Mini Power Supply Voltage 1 to 10)
- 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 1.07

Symptom corrected:

- The following behaviors now apply when using an external keyboard:
- While the Shift key is being pressed, caps lock mode is enabled.
- When the Shift and Caps Lock keys are pressed simultaneously, shift lock mode is enabled.
- While the AltGr key is being pressed, special characters can be entered.
- 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.
- SC819 may occur after removing a jam that occurred while printing a large job that fully consumes the printer memory.
- 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.
- SC672 occurs after recovering from sleep mode and SC819 occurs after reboot.
- If paper library data had been backed up and restored, a paper mismatch error may occur with jobs using custom paper.
- To enable quicker the detection time and shut down time when SC670 occurs.
- 3-edge full bleed works only for two edges.
- Poor feeding of texture paper from the mainframe trays.
- Remaining printing time displayed is incorrect (e.g. 999min) for jobs printed from the document server.
- If an original jams in the sample copy of a stapled job, the first set is not printed out.
- 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.

Other change:

- 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.
- 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.

- Toner near end display ON/OFF SP (SP5061-102) was added.
- The default SP values for Registration Buckle Adjustment were changed.
Note: This change was made to optimize the amount of slack in the paper at registration.
 - SP1-004-006 (Reg Bukle Adj, Thick2) : 2 -> 3 [mm]
 - SP1-004-007 (Reg Bukle Adj, Thick3) : 2 -> 5 [mm]
- Saddle-stitching is supported up to 25 sheets with the following applications.
 - GW printer
 - GW copy
- Supported maximum paper length (along feed direction) for SR5000 series Output Tray for Banner Sheet Type S6 was changed to 1260mm from 700mm.

Version 1.06

Specification Change:

- The default setting of SP5-112-001 (Non-Std. Paper Sel.) was changed from "0:OFF" to "1:ON."

Symptom corrected:

- [Pro only] If the Fiery controller is connected, pressing the "To the print screen" button in the Adjustment Setting for Skilled Operators menu navigates to the copy screen.
- [Pro only] After replacing a PM part, the system only resets the counter without performing any initialization, which in the worst case may cause the drum cleaning blade to flip and scratch the drum.
- Setting paper on the Bypass tray automatically assigns the Bypass tray as the feed tray.
- If the Bypass tray is set to Auto paper detection and a jam occurs due to a paper size mismatch, jam alert does not appear.
- The operation panel may freeze, if the Start button is pressed in copy mode immediately after recovering from the energy saver mode.

Version 1.05

Specification changes:

- Functions to adjust original margin, creep margin, slip sheet, and reverse output settings were added in the "Copy" mode.
- 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.

Symptoms corrected:

- SC672-11 may occur when the system attempts to recover from Energy Save Mode.
- On machines set with User Code authentication, printing may not start even after entering the user code, if the time synchronization feature is enabled.
- On machines set with User Code authentication, the Start button may turn ineffective, if the Log-out button is pressed immediately

after removing an original jam.

Version 1.04

1st Mass production

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***** Basic Information *****
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[Create date] 2018/11/30

[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.] D2615765N

[File Information]

File Name D2615765N.fwu

File Type Module for Service

Size 7.59 MB (7953548 byte)

[File Information]

File Name D2615765N.rfu

File Type Module for Remote Upgrade

Size 7.59 MB (7958784 byte)

[Availability of RFU] Yes

[Production reflection] 2018/11

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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:

- 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

[Modification history]

Version 1.09

Rank C

Symptom corrected:

- Error 51 might occur at RFU (Remote Firmware Update),
in case both of Transfer log setting and Collect access logs setting are set to be ON.

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

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 v1.10 (D2615760M)

Network Support v16.47.1 (D2585769G)

Web Support v1.06 (D2615765J)

Scanner v01.05 (D2585764J)

Standard Operation Panel model:

- OpePanel v1.04 (D2617390H)

Smart Operation Panel model (optional):

- animation v1.03 (D2615767G)

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

Version 1.05

Other changes:

- Textured paper can be fed from Tray 1, Tray 2, Tray 3 or the Large Capacity Tray.

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.

Other changes:

- 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.
- Toner near end display ON/OFF SP (SP5061-102) was added.

Version 1.03

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/30

[Program Name] animation

[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(ja,gb,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,kr,br,tr,ca,gr)

[Firmware No.] D2615767H

[File Information]

File Name D2615767H.fwu

File Type Module for Service

Size 11.10 MB (11638128 byte)

[File Information]

File Name D2615767H.rfu

File Type Module for Remote Upgrade

Size 11.11 MB (11645184 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:]

Rank D

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

[Modification history]

Version 1.03

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 v1.10 (D2615760M)

Network Support v16.47.1 (D2585769G)

Web Support v1.06 (D2615765J)

Scanner v01.05 (D2585764J)

Standard Operation Panel model:

- OpePanel v1.04 (D2617390H)

Smart Operation Panel model (optional):

- animation v1.03 (D2615767G)

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

Version 1.02

Symptom corrected:

- "Apply" button was missing from several confirmation screens in User Tools. Update OpePanel to v1.03 or later and System/Copy to v1.09 or later as a set.

- Toner near end alert message contained a typo. Update OpePanel to v1.03 or later and System/Copy to v1.09 or later as a set.

Version 1.01

Other changes:

For the following changes to take effect, make sure to update System/Copy to (1.07 or later) and Operation panel to (1.02 or later).

- 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.

- Toner near end display ON/OFF SP (SP5061-102) was added.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2019/02/22

[Program Name] Printer

[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.] D2615772P

[File Information]

File Name D2615772P.fwu

File Type Module for Service

Size 5.29 MB (5543880 byte)

[File Information]

File Name D2615772P.rfu

File Type Module for Remote Upgrade

Size 5.29 MB (5550336 byte)

[Availability of RFU] Yes

[Production reflection] 2019/03

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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 Streamline NX is installed, printing might stall if the file contains pages of mixed size or orientation.

[Modification history]

Version 1.09

Rank C

Symptom corrected:

- SC899 might occur when printing a Hold Print file scheduled for a certain time.

Version 1.08

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 1.07

Rank C

Symptom corrected:

- If an IPDS form with an unsupported Cross Feed Dimension value is added, a Feed Dimension error might be displayed instead of a Cross Feed Dimension error.
- An IPDS form with a custom size cannot be applied to trays.

Version 1.06

Rank C

Other changes:

- Reduced the minimum width to 100mm for output from the SR5070/SR5080.

Version 1.05

Symptom corrected:

- It might take time to resume a job if it is suspended while the device is in Energy Saver mode.
- Notifications are not displayed in MFP applications even if key counter management or external charge unit management is enabled.
- IPDS printing might stall if IPDS jobs are printed continuously.
- 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.
- 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.

Version 1.04

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.

- Textured paper can be fed from Tray 1, Tray 2, Tray 3 or the Large Capacity Tray.

Fixed:

- The output might print a lighter color when printing the Custom Paper.

Version 1.03

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 1.02

1st Mass production

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*** Basic Information ***
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[Create date] 2017/06/02

[Program Name] Keymicon

[Version] 2.23

[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.] D2617385D

[File Information]

File Name D2617385D.fwu

File Type Module for Service

Size 0.04 MB (41480 byte)

[File Information]

File Name D2617385D.rfu

File Type Module for Remote Upgrade

Size 0.05 MB (49408 byte)

[Production reflection] 2017/05

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*** Note ***
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[Note]

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

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

Symptom Corrected:

- The machine cannot recover from the energy saving mode and may result in SC672-11.
- The touch panel does not respond after recovering from the energy saving mode.

[Modification history]

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*** Basic Information ***
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[Create date] 2019/04/12

[Program Name] OpePanel

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

[Firmware No.] D2617390J

[File Information]

File Name D2617390J.fwu

File Type Module for Service

Size 20.16 MB (21139892 byte)

[File Information]

File Name D2617390J.rfu

File Type Module for Remote Upgrade

Size 20.17 MB (21147904 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:]

Rank C

Symptom corrected:

- Message "Please Wait" remains displayed on the operation panel after turning On the main power. The power has to be cycled Off/On to recover.

[Modification history]

Version 1.04

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 v1.10 (D2615760M)

Network Support v16.47.1 (D2585769G)

Web Support v1.06 (D2615765J)

Scanner v01.05 (D2585764J)

Standard Operation Panel model:

- OpePanel v1.04 (D2617390H)

Smart Operation Panel model (optional):

- animation v1.03 (D2615767G)

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

Version 1.03

Symptom corrected:

- "Apply" button was missing from several confirmation screens in User Tools. Update Animation to v1.02 or later and System/Copy to v1.09 or later as a set.
- Toner near end alert message contained a typo. Update Animation to v1.02 or later and System/Copy to v1.09 or later as a set.

Version 1.02

Other changes:

For the following changes to take effect, make sure to update

System/Copy to (1.07 or later) and Animation to (1.01 or later).

- 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.

- Toner near end display ON/OFF SP (SP5061-102) was added.

Version 1.01

Specification change:

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

Version 1.00
1st Mass production

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*** Basic Information ***
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[Create date] 2017/06/14

[Program Name] PowerSaving Sys

[Version] F.L3.08.1

[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.] D2585761C

[File Information]

File Name D2585761C.fwu

File Type Module for Service

Size 4.00 MB (4194832 byte)

[File Information]

File Name D2585761C.rfu

File Type Module for Remote Upgrade

Size 4.01 MB (4202752 byte)

[Production reflection] 2017/05

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*** Note ***
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[Note]

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

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

Symptom corrected:

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

[Modification history]

Version F.L3.08

1st Mass production

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*** Basic Information ***

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[Create date] 2019/05/30

[Program Name] Engine

[Version] 1.20:02

[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.] D2585522G

[File Information]

File Name D2585522G.fwu
File Type Module for Service
Size 7.88 MB (8258036 byte)

[File Information]

File Name D2585522G.rfu
File Type Module for Remote Upgrade
Size 7.88 MB (8265984 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:

- The device with CI4040 and SR4120 (or SR4130) might not start copying or printing despite the message of "Ready" on the application, when the device is turned on with the door of the finisher open.

[Modification history]

Version 1.19:02

Rank C

Symptom corrected:

- The operation panel displays "Printing" but the job cannot be printed from the Fiery controller.

Version 1.18:02

Rank C

Symptom corrected:

- SC990,144,620,670 may occur at the same time.
- Initial jam may occur.

Version 1.17:02

Rank C

Running heavy jobs continuously from the Fiery controller may cause the image to slightly shift in main scan direction.

When installing this release (Engine 1.17:02), be sure to install the following firmware together as a set.

System/Copy 1.17 or later

Version 1.16:02

Rank C

Symptom corrected:

- A problem with the cleaning blade of the transfer belt causes noise and image quality issues to occur.

Version 1.15:02

Rank C

Symptom corrected:

- The data-in LED remains flashing and printing does not resume, if process control runs during a job.
- If selecting ADF silent mode, the machine may be hang up when receiving the print job.
- SC621 may occur when switching to power off or energy saving mode.
- SC515 may occur.
- SC325-00 may occur after non-feed jam.
- It takes long time to print the file generated by Delphi with PCL5/PS.

Version 1.14:02

Symptom corrected:

- SC550-01 might occur after replacing the fusing belt.
- (Pro C5200S/C5210S only)

Version 1.13:02

Symptom corrected;

- SC525-01 may occur when the bypass tray unit is opened/closed.
- SC544-00 may be mistakenly detected when SC665-04 occurs.
- Jam153/159/167 or poor stacking may occur under the following conditions:
 - Corner staple mode is on
 - Pre-stack mode is on
 - Paper size is A4/LT (LEF)
 - First sheet of paper is fed from CI4040
 - There are more than 2 copies

- When the new BICU board is installed, serial number information cannot be inputted.

Version 1.12:02

Symptom corrected;

- After replacing with a new waste toner bottle, the counter cannot be reset by opening and closing the front door.

NOTE: The counter can be reset by turning the machine power OFF and then ON.

Version 1.11:02

3-edge full bleed works only for two edges.

Version 1.10:02

Specification changes:

- The default SP values for Envelope Nip Width following a RAM clear were changed.

Note: Factory settings were not changed.

- SP1-996-249 (Envelope Nip Width Setting, Envelope:Thick6)
- SP1-996-250 (Envelope Nip Width Setting, Envelope:Thick7)
- SP1-996-251 (Envelope Nip Width Setting, Envelope:Thick8)
- The default SP values for Registration Buckle Adjustment were changed.

Note: This change was made to optimize the amount of slack in the paper at registration.

- SP1-004-006 (Reg Bukle Adj, Thick2) : 2 -> 3 [mm]

- SP1-004-007 (Reg Bukle Adj, Thick3) : 2 -> 5 [mm]

Symptoms corrected:

- Toner drops from the development unit and the image density lowers when the print speed is changed.
- RFU (Remote Firmware Update) is not successful if initiated while MUSIC or process control is currently underway.
- The drawer lock may not be released if the operator turns the machine main power OFF/ON without clearing a fusing SC.
- The machine may stall if it receives a print job while performing engine adjustments following the completion of the previous print job.

Version 1.09:02

Web-end is not cleared even after replacing with a new fusing unit.

Version 1.08:02

- SC374 might occur after recovery from toner end.
- If the machine receives a job that prints at low speed (for example, on coated paper) during the fusing unit refreshing process in which the fusing motor is inactive, the heater does not turn on and the images cannot be fused.

Version 1.07:02

- PM counter for fusing hot roller is added.

- 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 1.03:02

1st Mass production

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*** Basic Information ***
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[Create date] 2017/10/24

[Program Name] Web Uapl

[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.] D2615766E

[File Information]

File Name D2615766E.fwu

File Type Module for Service

Size 2.08 MB (2180156 byte)

[File Information]

File Name D2615766E.rfu

File Type Module for Remote Upgrade

Size 2.09 MB (2187520 byte)

[Availability of RFU] Yes

[Production reflection] 2017/11

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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:

- When using the Web Image Monitor through the Edge browser, a PDF or PDF/A file stored in the Document Server is not downloaded when clicked.

[Modification history]

Version 1.05

Symptom corrected:

- If using Google Chrome when downloading the scanned data from a URL received by email sent through the Scan to URL function, the PDF file cannot download.

Version 1.04

1st Mass production

=====
*** Basic Information ***
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[Create date] 2018/04/25

[Program Name] Network Support

[Version] 16.51

[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.] D2585769L

[File Information]

File Name D2585769L.fwu

File Type Module for Service

Size 11.90 MB (12476716 byte)

[File Information]

File Name D2585769L.rfu

File Type Module for Remote Upgrade

Size 11.91 MB (12484864 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 C

Symptom corrected:

- 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 16.50

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.
- When conducting Scan to Folder in a high-load network environment, the device fs status gets stuck on sending and the scanner becomes unusable.

Version 16.49

Symptom corrected:

1. Fixed the WebAPI bug when obtaining the network property information.
2. Fixed unnecessary processing affecting hard disk failure and deterioration.
3. When the device is in STR mode, printing might stop and not be able to be conducted until the device is rebooted.
4. Unnecessary logs are recorded in the system logs when connecting to the network through a wireless LAN.
5. In wireless LAN infrastructure mode, if changing the settings when the PSK in WPA2-PSK is empty, SC899 occurs.
6. 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:

- 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 16.48

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 16.47.1

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

[Charis-C2 Office]

System/Copy v1.10 (D2585760N)

Network Support v16.47.1 (D2585769G)

Web Support v1.07 (D2585765J)

Scanner v01.05 (D2585764J)

animation v1.03 (D2585767G)

[Charis-C2 Pro]

System/Copy v1.10 (D2615760M)

Network Support v16.47.1 (D2585769G)

Web Support v1.06 (D2615765J)

Scanner v01.05 (D2585764J)

Standard Operation Panel model:

- OpePanel v1.04 (D2617390H)

Smart Operation Panel model (optional):

- animation v1.03 (D2615767G)

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

Version 16.46

Symptom Corrected:

1. When the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active", authentication will fail.
2. 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.
3. When the "Erase All Memory" function is conducted, an SC899 or SC991 error might occur. This issue occurs when Network Support firmware v16.44 is installed.

Version 16.45

Symptom Corrected:

- 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.

Version 16.44

om Corrected:

- If the device has not being used a significant amount of times,
functions that require a network connection might fail.

Version 16.43

1st Mass production

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*** Basic Information ***
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[Create date] 2020/01/09

[Program Name] MediaLibAP ProC5200 AB

[Version] 5

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] D2605741_5

[File Information]

File Name D2605741_5.fwu

File Type Module for Service

Size 0.20 MB (205748 byte)

[File Information]

File Name D2605741_5.rfu

File Type Module for Remote Upgrade

Size 0.20 MB (213248 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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

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

Rank C

Media list:

Added 171 new entries (ST1: 5, ST2: 165, ST3: 1).

Corrected the 3 duplications in 'RCL Control No.' Indicated 'Temp' on the false entries.)

Corrected the 'RCL Control No.' for 8 entries.

Corrected the paper weight for 3 envelopes (RE_00176, RE_00177, RE_00231).

Corrected the figures in columns AI~AL (Txt Ppr: Ppr Trns Voltage)for 2 entries (RE_00179, RE_00180).

Corrected the media type for 2 entries (RE_00500, RE_00502).

Media library data (IMSS):

Added 160 new entries (Rank A: 22, Rank B: 138).

Corrected the 'Thickness' information for 27 entries.

Corrected the 'SerialNumber' information for 2 entries.

Changed the fusing nip pattern for envelopes; fixed to 5 settings: 65 entries for 5200S model, 169 entries for 5210S model.

[Modification history]

Version 4

[R4]

IMSS Library data

- Support of textured paper on the mainframe trays.

Version 3

[R3]

Media List

- 95 new media were added to the media list under ST1 type.

- The rank of Feed Performance was corrected from "B" to "A".

RE_00030, RE_00031

IMSS Library data

- 19 new rank A and 63 new rank C media were added to the media library.

- 3 new rank B media were added to the media list under ST1 type.

- Add asterisk that indicate B rank media.

RE_00003, RE_00004, RE_00013-15, RE_00016/16A/16B-19/19A/19B,

RE_00020, RE_00022, RE_00023, RE_00024, RE_00026, RE_00144,

RE_00157, RE_00158, RE_00159, RE_00168, RE_00176, RE_00177,

RE_00182, RE_00183, RE_00187, RE_00188, RE_00189, RE_00218,

RE_00261, RE_00262

Version 2

1st Mass production

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

[Create date] 2019/07/19

[Program Name] NetworkDocBox

[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.] D2585770J

[File Information]

File Name D2585770J.fwu

File Type Module for Service

Size 2.47 MB (2590088 byte)

[File Information]

File Name D2585770J.rfu

File Type Module for Remote Upgrade

Size 2.48 MB (2597120 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:

- 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 1.05

Rank C

Symptom corrected:

- When using a SmartSDK log capturing function and executing multiple stored scan jobs, only one image job might be recorded in the log.
- 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.

Version 1.04

Rank C

Symptom corrected:

- 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.
- When the OCR setting is enabled, PDF downloads might fail resulting in being unable to connect to the Web Image Monitor.
- The log time reported to the SmartSDK application might be wrong.
- The Web Image Monitor might stall when trying to display fax information.

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 1.03

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 1.02

Rank C

Symptom corrected:

- Fixed a SmartSDK WebAPI bug with the temporary user authentication function.
- Fixed a SmartSDK WebAPI bug with serverless transfer requests for device logs.

Version 1.01

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. Unnecessary retransmissions might be occur in the image log capture.
3. The device might not be able to be accessed via Web Image Monitor.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2017/12/19

[Program Name] MediaLibNA ProC5200 AB

[Version] 6

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] D2605747_6

[File Information]

File Name D2605747_6.fwu

File Type Module for Service

Size 0.08 MB (80368 byte)

[File Information]

File Name D2605747_6.rfu

File Type Module for Remote Upgrade

Size 0.08 MB (86272 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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***** Basic Information *****
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[Create date] 2019/10/15

[Program Name] MediaLibEU ProC5200 AB

[Version] 5

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] D2605745_5

[File Information]

File Name D2605745_5.fwu

File Type Module for Service

Size 0.19 MB (194800 byte)

[File Information]

File Name D2605745_5.rfu

File Type Module for Remote Upgrade

Size 0.19 MB (200960 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:]

Rank C

Media list:

- (1) Added 172 new entries (ST1: 5, ST2: 166, ST3: 1)
- (2) Corrected 3 duplications in the 'RCL Control No.' Wrong entries indicated 'Temp'.
- (3) Corrected the wrong RCL Control No. for 8 entries.
- (4) Corrected the paper weight for three Envelopes: RE_00176, RE_00177, RE_00231
- (5) Corrected the paper transfer voltage values (columns AI~AL) for 2 entries: RE_00179, RE_00180.
- (6) Corrected the media type for 2 entries: RE_00500, RE_00502

IMSS data:

- (1) Added 160 new entries (Rank A: 22, Rank B: 138)
- (2) Corrected the thickness of 27 entries.
- (3) Corrected the serial number of 2 entries.
- (4) Corrected the temp / CPM reduktiion setting for 1 entry.

[Modification history]

Version 4

[R4]

IMSS Library data

- Support of textured paper on the mainframe trays.

Version 3

1. Newly added 92 media.
2. Modify Feed performance Rank: RE_00030, RE_00031: Feed
Performance B to A

Version 2

1st Mass production

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

[Modifications made:]

mR6 n
IMSS Library data
- Support of textured paper on the mainframe trays.

[Modification history]

Version 5

1. Newly Added 35 Media

2. Modify 25 media

NA_00046, NA_00056, NA_00064, NA_00065, NA_00074, NA_00081,
NA_00082, NA_00168, NA_00180, NA_00192, NA_00209, NA_00210,
NA_00211, NA_00219, NA_00240, NA_00241, NA_00242, NA_00243,
NA_00244, NA_00248, NA_00258, NA_00261, NA_00262, NA_00263, NA_00264

Version 4

1st Mass production

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

[Create date] 2019/10/15

[Program Name] MediaLibEU ProC5210 AB

[Version] 5

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] D2605746_5

[File Information]

File Name D2605746_5.fwu

File Type Module for Service

Size 0.19 MB (194800 byte)

[File Information]

File Name D2605746_5.rfu

File Type Module for Remote Upgrade

Size 0.19 MB (200960 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]

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

Rank C

Media list:

- (1) Added 172 new entries (ST1: 5, ST2: 166, ST3: 1)
- (2) Corrected 3 duplications in the 'RCL Control No.' Wrong entries indicated 'Temp'.
- (3) Corrected the wrong RCL Control No. for 8 entries.
- (4) Corrected the paper weight for three Envelopes: RE_00176, RE_00177, RE_00231
- (5) Corrected the paper transfer voltage values (columns AI~AL) for 2 entries: RE_00179, RE_00180.
- (6) Corrected the media type for 2 entries: RE_00500, RE_00502

IMSS data:

- (1) Added 160 new entries (Rank A: 22, Rank B: 138)
- (2) Corrected the thickness of 27 entries.
- (3) Corrected the serial number of 2 entries.
- (4) Corrected the temp / CPM reduktiion setting for 1 entry.

[Modification history]

Version 4

[R4]

IMSS Library data

- Support of textured paper on the mainframe trays.

Version 3

1. Newly added 92 media.
2. Modify Feed performance Rank: RE_00030, RE_00031: Feed
Performance B to A

Version 2

1st Mass production

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

[Create date] 2017/12/19

[Program Name] MediaLibNA ProC5210 AB

[Version] 6

[PCB No.] -

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] D2605748_6

[File Information]

File Name D2605748_6.fwu

File Type Module for Service

Size 0.08 MB (80368 byte)

[File Information]

File Name D2605748_6.rfu

File Type Module for Remote Upgrade

Size 0.08 MB (86272 byte)

[Availability of RFU] Yes

[Production reflection]

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*** Note ***
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[Note]

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

[Important Notes]

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

[Modifications made:]

mR6 n
IMSS Library data
- Support of textured paper on the mainframe trays.

[Modification history]

Version 5

1. Newly Added 35 Media

2. Modify 25 media

NA_00046, NA_00056, NA_00064, NA_00065, NA_00074, NA_00081,
NA_00082, NA_00168, NA_00180, NA_00192, NA_00209, NA_00210,
NA_00211, NA_00219, NA_00240, NA_00241, NA_00242, NA_00243,
NA_00244, NA_00248, NA_00258, NA_00261, NA_00262, NA_00263, NA_00264

Version 4

1st Mass production

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

[Create date] 2018/04/02

[Program Name] Option IPDS

[Version] 9.119

[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.] D3D85712

[File Information]

File Name D3D85712.fwu

File Type Module for Service

Size 20.93 MB (21944868 byte)

[File Information]

File Name D3D85712.rfu

File Type Module for Remote Upgrade

Size 20.93 MB (21950720 byte)

[Availability of RFU] Yes

[Production reflection] 1st Mass Production

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*** Note ***
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[Note]

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

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

[Modification history]

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

[Create date] 2018/11/22

[Program Name] NetworkDocBox

[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.] D2585770G

[File Information]

File Name D2585770G.fwu

File Type Module for Service

Size 2.47 MB (2589156 byte)

[File Information]

File Name D2585770G.rfu

File Type Module for Remote Upgrade

Size 2.48 MB (2597120 byte)

[Availability of RFU] Yes

[Production reflection] 2018/11

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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

Symptom corrected:

- 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.
- When the OCR setting is enabled, PDF downloads might fail resulting in being unable to connect to the Web Image Monitor.
- The log time reported to the SmartSDK application might be wrong.
- The Web Image Monitor might stall when trying to display fax information.

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

[Modification history]

Version 1.03

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 1.02

Rank C

Symptom corrected:

- Fixed a SmartSDK WebAPI bug with the temporary user authentication function.
- Fixed a SmartSDK WebAPI bug with serverless transfer requests for device logs.

Version 1.01

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. Unnecessary retransmissions might occur in the image log capture.
3. The device might not be able to be accessed via Web Image Monitor.

Version 1.00

1st Mass production

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***** Basic Information *****

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[Create date] 2019/11/11

[Program Name] Network Support

[Version] 16.56.1

[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.] D2585769Q

[File Information]

File Name D2585769Q.fwu
File Type Module for Service
Size 11.90 MB (12482340 byte)

[File Information]

File Name D2585769Q.rfu
File Type Module for Remote Upgrade
Size 11.91 MB (12488960 byte)

[Availability of RFU] Yes

[Production reflection] 2019/11

*** Note ***

[Note]

*** Important Notes ***

[Important Notes]

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*** Modification History ***

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[Modifications made:]

Rank C

Symptom corrected:

- A vulnerability (CVE-2019-1559) to a Padding Oracle Attack on CBC encryption has been fixed.
- To activate this fix, CBC mode must be disabled after updating the firmware.
- msh> set cbc down
- msh> logout
- Enter "yes" to save the changes.

[Modification history]

Version 16.54

Rank C

Symptom corrected:

- The DHCP address renewal request might be discarded when the DHCP server is configured as a failover cluster.

Other changes:

- 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.

- 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.).
- Supported RICOH SmartSDK v2.60

Version 16.53

Rank C

Symptom corrected:

- DNS name resolution for the device might fail if DDNS is enabled in

a DHCPv6 environment.

- Wireless direct connection might fail in Group Owner Mode.

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 16.52

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.

Version 16.51

Rank C

Symptom corrected:

- 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 16.50

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.
- When conducting Scan to Folder in a high-load network environment, the device's status gets stuck on sending and the scanner becomes unusable.

Version 16.49

Symptom corrected:

1. Fixed the WebAPI bug when obtaining the network property information.
2. Fixed unnecessary processing affecting hard disk failure and deterioration.

3. When the device is in STR mode, printing might stop and not be able to be conducted until the device is rebooted.
4. Unnecessary logs are recorded in the system logs when connecting to the network through a wireless LAN.
5. In wireless LAN infrastructure mode, if changing the settings when the PSK in WPA2-PSK is empty, SC899 occurs.
6. 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:

- 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 16.48

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 16.47.1

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

[Charis-C2 Office]

System/Copy v1.10 (D2585760N)

Network Support v16.47.1 (D2585769G)

Web Support v1.07 (D2585765J)

Scanner v01.05 (D2585764J)

animation v1.03 (D2585767G)

[Charis-C2 Pro]

System/Copy v1.10 (D2615760M)

Network Support v16.47.1 (D2585769G)

Web Support v1.06 (D2615765J)

Scanner v01.05 (D2585764J)

Standard Operation Panel model:

- OpePanel v1.04 (D2617390H)

Smart Operation Panel model (optional):

- animation v1.03 (D2615767G)

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

Version 16.46

Symptom Corrected:

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

3. When the "Erase All Memory" function is conducted, an SC899 or SC991 error might occur. This issue occurs when Network Support firmware v16.44 is installed.

Version 16.45

Symptom Corrected:

- 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.

Version 16.44

om Corrected:

- If the device has not being used a significant amount of times, functions that require a network connection might fail.

Version 16.43

1st Mass production

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

[Program Name] Web Support

[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.] D2585765P

[File Information]

File Name D2585765P.fwu

File Type Module for Service

Size 7.58 MB (7952612 byte)

[File Information]

File Name D2585765P.rfu

File Type Module for Remote Upgrade

Size 7.59 MB (7958784 byte)

[Availability of RFU] Yes

[Production reflection] 2019/03

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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:

- 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 1.11

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 1.10

Rank C

Symptom corrected:

- Error 51 might occur at RFU (Remote Firmware Update),
in case both of Transfer log setting and Collect access logs setting are set to be ON.

Version 1.09

Rank C

Symptom corrected:

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

Version 1.08

Other changes:

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

Version 1.07

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 v1.10 (D2585760N)

Network Support v16.47.1 (D2585769G)

Web Support v1.07 (D2585765J)

Scanner v01.05 (D2585764J)

animation v1.03 (D2585767G)

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

Version 1.06

Other changes:

- Envelope and Thick Paper 2 can be set even if Finisher SR4120 or SR4130 is installed.

Version 1.05

Symptom corrected:

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

Other changes:

- 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.
- Toner near end display ON/OFF SP (SP5061-102) was added.

Version 1.04

Symptom corrected:

- Minor bug correction

Version 1.03

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 v1.03 (D2585760F) or later, so please be sure to update that firmware as well.

Version 1.02

1st Mass production

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*** Basic Information ***
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[Create date] 2019/03/06

[Program Name] Web Support

[Version] 1.11

[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.] D2615765P

[File Information]

File Name D2615765P.fwu

File Type Module for Service

Size 7.59 MB (7954096 byte)

[File Information]

File Name D2615765P.rfu

File Type Module for Remote Upgrade

Size 7.59 MB (7958784 byte)

[Availability of RFU] No

[Production reflection] 2019/03

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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:

- 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 1.10

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:

- Error 51 might occur at RFU (Remote Firmware Update), in case both of Transfer log setting and Collect access logs setting are set to be ON.

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

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 v1.10 (D2615760M)

Network Support v16.47.1 (D2585769G)

Web Support v1.06 (D2615765J)
Scanner v01.05 (D2585764J)
Standard Operation Panel model:
- OpePanel v1.04 (D2617390H)
Smart Operation Panel model (optional):
- animation v1.03 (D2615767G)

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

Version 1.05

Other changes:

- Textured paper can be fed from Tray 1, Tray 2, Tray 3 or the Large Capacity Tray.

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.

Other changes:

- 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.
- Toner near end display ON/OFF SP (SP5061-102) was added.

Version 1.03

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

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***** Basic Information *****
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[Create date] 2020/01/09

[Program Name] MediaLibAP ProC5210 AB

[Version] 5

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] D2605742_5

[File Information]

File Name D2605742_5.fwu

File Type Module for Service

Size 0.20 MB (205748 byte)

[File Information]

File Name D2605742_5.rfu

File Type Module for Remote Upgrade

Size 0.20 MB (213248 byte)

[Availability of RFU] No

[Production reflection]

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

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

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

Rank C

Media list:

Added 171 new entries (ST1: 5, ST2: 165, ST3: 1).

Corrected the 3 duplications in 'RCL Control No.' Indicated 'Temp' on the false entries.)

Corrected the 'RCL Control No.' for 8 entries.

Corrected the paper weight for 3 envelopes (RE_00176, RE_00177, RE_00231).

Corrected the figures in columns AI~AL (Txt Ppr: Ppr Trns Voltage)for 2 entries (RE_00179, RE_00180).

Corrected the media type for 2 entries (RE_00500, RE_00502).

Media library data (IMSS):

Added 160 new entries (Rank A: 22, Rank B: 138).

Corrected the 'Thickness' information for 27 entries.

Corrected the 'SerialNumber' information for 2 entries.

Changed the fusing nip pattern for envelopes; fixed to 5 settings: 65 entries for 5200S model, 169 entries for 5210S model.

[Modification history]

Version 4

[R4]

IMSS Library data

- Support of textured paper on the mainframe trays.

Version 3

[R3]

Media List

- 95 new media were added to the media list under ST1 type.

- The rank of Feed Performance was corrected from "B" to "A".

RE_00030, RE_00031

IMSS Library data

- 19 new rank A and 63 new rank C media were added to the media library.

- 3 new rank B media were added to the media list under ST1 type.

- Add asterisk that indicate B rank media.

RE_00003, RE_00004, RE_00013-15, RE_00016/16A/16B-19/19A/19B,

RE_00020, RE_00022, RE_00023, RE_00024, RE_00026, RE_00144,

RE_00157, RE_00158, RE_00159, RE_00168, RE_00176, RE_00177,

RE_00182, RE_00183, RE_00187, RE_00188, RE_00189, RE_00218,

RE_00261, RE_00262

Version 2

1st Mass production

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***** Basic Information *****
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[Create date] 2020/01/09

[Program Name] MediaLibCH ProC5200 AB

[Version] 4

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] D2605743_4

[File Information]

File Name D2605743_4.fwu

File Type Module for Service

Size 0.20 MB (214168 byte)

[File Information]

File Name D2605743_4.rfu

File Type Module for Remote Upgrade

Size 0.21 MB (221440 byte)

[Availability of RFU] No

[Production reflection]

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

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

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

Rank C

Media list:

Added 171 new entries (ST1: 5 entries, ST2: 165 entries, ST3: 1 entry)

Corrected the 3 duplications in 'RCL Control No.' Indicated 'Temp' on the false entries.

Corrected the 'RCL Control No.' for 8 entries.

Corrected the paper weight for 3 envelopes (RE_00176, RE_00177, RE_00231).

Corrected the figures in columns AI~AL (Txt Ppr: Ppr Trns Voltage) for 2 entries (RE_00179, RE_00180).

Corrected the media type for 2 entries (RE_00500, RE_00502).

Media library data (IMSS):

Added 160 new entries (Rank A: 22, Rank B: 138).

Corrected the 'Thickness' information for 27 entries.

Corrected the 'SerialNumber' information for 2 entries.

Changed the fusing nip pattern for envelopes; fixed to 5 settings: 65 entries for 5200S model, 169 entries for 5210S model.

[Modification history]

Version 3

1st Release

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*** Basic Information ***
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[Create date] 2020/01/09

[Program Name] MediaLibCH ProC5210 AB

[Version] 4

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Others

Exported to(language) GEN(all)

[Firmware No.] D2605744_4

[File Information]

File Name D2605744_4.fwu

File Type Module for Service

Size 0.20 MB (214168 byte)

[File Information]

File Name D2605744_4.rfu

File Type Module for Remote Upgrade

Size 0.21 MB (221440 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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

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

Rank C

Media list:

Added 171 new entries (ST1: 5 entries, ST2: 165 entries, ST3: 1 entry)

Corrected the 3 duplications in 'RCL Control No.' Indicated 'Temp' on the false entries.

Corrected the 'RCL Control No.' for 8 entries.

Corrected the paper weight for 3 envelopes (RE_00176, RE_00177, RE_00231).

Corrected the figures in columns AI~AL (Txt Ppr: Ppr Trns Voltage) for 2 entries (RE_00179, RE_00180).

Corrected the media type for 2 entries (RE_00500, RE_00502).

Media library data (IMSS):

Added 160 new entries (Rank A: 22, Rank B: 138).

Corrected the 'Thickness' information for 27 entries.

Corrected the 'SerialNumber' information for 2 entries.

Changed the fusing nip pattern for envelopes; fixed to 5 settings: 65 entries for 5200S model, 169 entries for 5210S model.

[Modification history]

Version 3

1st Release