

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

[Create date] 2018/05/01

[Program Name] System

[Version] 3.04

[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.] M1095242M

[File Information]

File Name M1095242M.fwu

File Type Module for Service

Size 15.45 MB (16202500 byte)

[File Information]

File Name M1095242M.rfu

File Type Module for Remote Upgrade

Size 15.46 MB (16208128 byte)

[Availability of RFU] Yes

[Production reflection] 2018/01

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

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- An invalid value is returned when obtaining the counter MIB, ricohEngCounterValue, during device shutdown.
- All SMC reports(SP5-990-001) and NIB Sumarry(SP5-990-007) cannot be printed when you use the machine which has 4 row LCD(Operation Panel) for China, Korea ,Taiwan and Asia.

[Modification history]

Version 3.02

Symptom corrected:

1. Toner end detection may be delayed.
2. False detection of SC552 (Fusing (End) thermistor not reloaded).
3. Offset images appear on the trailing edge of the first sheet of the job.
4. Even if replaced with a new toner cartridge, the toner empty alert indication in red does not disappear.
5. The alert indicator may flash in yellow without displaying a message.

Other changes:

6. Process control was modified for better reproduction of half tone images.
7. The following SCs were added for higher accuracy in the timeout error communication:
SC669-05 Communication timeout error during EEPROM OPEN
SC669-15 Communication timeout error during EEPROM data write
SC669-23 Communication timeout error during EEPROM data read

Version 2.00

Symptom corrected:

1. The operation panel stalls when it displays "printing" or if the machine is in Energy Saver mode.
2. SC878 occurs when the machine boots up after a package firmware update.
3. SC819 occurs followed by SC816-38, if the machine repeatedly enters and recovers from Energy Saver mode.
4. The summer time setting enabled for southern hemisphere is ineffective.
5. Java VM may not run even if the Java VM setting is enabled (SP5-730-001 set to "1").

Version 1.10

Symptom corrected:

1. A toner supply call is repeatedly sent to the @Remote Center when all of the following conditions are met:
 - One or more of the toner cartridge(s) in the printer are at Near End status

- The ITB (which incl. image transfer unit and transfer roller unit) or Fusing Unit has exceeded its target yield. (*)
 - The machine recovers from Energy Saver mode.
2. An ITB or Fusing unit supply call is repeatedly sent to the @Remote Center when all of the following conditions are met:
 - The ITB (which incl. image transfer unit and transfer roller unit) or Fusing Unit has exceeded its target yield. (*)
 - The main switch of this machine is turned off and on.
- Note: (*): This machine continues working even after these units exceed their target yields.
3. The operation panel does not respond to user operations if Toner Replenishment is triggered during printing.
 4. If a tray is manually selected because the previously selected tray has run out of paper or the tray settings do not match the specified paper size and type, then images might be rotated 90 degrees and not appear as expected.
 5. When printing to the device when it is in Energy Saver Mode, the device shows that printing is in progress but printing might not finish.
 6. In the "Extended Feature Settings" in Web Image Monitor, when overwriting Type-J applications that were already installed on the hard drive, the applications might not automatically start even if the Auto Start is set to "On".

Version 1.09

Symptom corrected:

1. "Replace controller board" appears on the operation panel when a machine with SDK applications installed boots up or recovers from Energy Saver mode.

Version 1.08

Symptom corrected:

1. If printing a large number of pages job (about 200 pages) by the device that doesn't have a hard disk, the device might stall with blinking the Data In LED light.
2. When Chinese characters are included in the login user name, it might fail to authenticate on the device.
3. Light images may be printed at about 1000 pages after a new PCDU is installed.

Note:

- Executing [Auto ImgDensAdj&ColrCalib] in [Quality Maintenance] under [Maintenance] (IBACC :Image transfer Belt ACC) is not effective in improving the image quality.
- For this correction, the image processing parameters for new/early-stage PCDUs were optimized.
- With this firmware, you can input the distances for the following SP modes manually, so that you can use an old PCDU replaced once before for the light images issue.
 - SP 7 803 031 (Dist: PDCU: Bk)
 - SP 7 803 032 (Dist: PDCU: C)
 - SP 7 803 033 (Dist: PDCU: M)

SP 7 803 034 (Dist: PDCU: Y)

4. A memory leak occurs when an upload or download is performed in either UP mode or SP mode.
5. A paper jam occurs under the following conditions:
 - Duplex mode
 - Paper is fed from tray 4
 - Paper is the same size, type, weight, and feed orientation as the paper loaded in Tray 1-3

Note: This does not happen when using Extend Auto Tray Switching.

Important: In addition to this System firmware version, be sure to update the Engine firmware to V1.60:16 or later.

Version 1.07

Symptom corrected:

1. [Embedded RC Gate]: "@Remote certificate updating..." is displayed and @Remote communication is suspended if SSL communication with a router or proxy server was suspended due to no response or detection of the RESET signal.

Note: A certificate update indicates that a request to update the certificate was sent to the @Remote Center instead of performing the retry process.

Other changes:

2. SP5305-101 was added to comply with Blue Angel requirements.

Note:

- This SP can be set to a value of 0 or 1.
- When set to 1, the highest value for the Sleep Mode Timer becomes 60 min. (not 120 or 240 min.), and Sleep Mode cannot be turned off.

3. SC641-04 (communication error btw CTL and EGB) was added.

Note: Before this firmware, when this error occurred, the machine panel was unresponsive or "Paper jam" was displayed.

Version 1.06

1st Mass production

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

[Create date] 2017/04/03

[Program Name] System

[Version] 2.00

[PCB No.] M1095236,M1095222W

[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.] M1095243

[File Information]

File Name M1095243.fwu

File Type Module for Service

Size 15.40 MB (16153052 byte)

[File Information]

File Name M1095243.rfu

File Type Module for Remote Upgrade

Size 15.41 MB (16158976 byte)

[Production reflection] 2014/10

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

[Note]

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

[Important Notes]

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

[Modifications made:]

Symptom corrected:

- The operation panel stalls when it displays "printing" or if the machine is in Energy Saver mode.
- SC878 occurs when the machine boots up after a package firmware update.
- SC819 occurs followed by SC816-38, if the machine repeatedly enters and recovers from Energy Saver mode.
- The summer time setting enabled for southern hemisphere is ineffective.
- Java VM may not run even if the Java VM setting is enabled (SP5-730-001 set to "1").

[Modification history]

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

[Create date] 2017/04/13

[Program Name] RPCS

[Version] 3.13.19

[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) GEN(all)

[Firmware No.] M1095248E

[File Information]

File Name M1095248E.fwu

File Type Module for Service

Size 0.66 MB (687612 byte)

[File Information]

File Name M1095248E.rfu

File Type Module for Remote Upgrade

Size 0.66 MB (692480 byte)

[Production reflection] 2017/05

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

[Note]

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

[Important Notes]

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

[Modifications made:]

Symptom Corrected:

- When "Unauthorized Copy Prevention Printing: Printer" is enabled, an error might occur, causing the job to be cancelled. (GFPR#RA14120002)

[Modification history]

Version 3.13.18

Symptom corrected:

When printing a job from Microsoft Excel 2013 by using a RPCS driver, yellow-colored cells are blacked out.

Version 3.13.17

Symptom corrected:

1. When printing certain documents in Microsoft Word, an SC899 error might occur.
2. When printing from Adobe Reader 9, characters might be missing, cut off, or experience other rendering problems.

Version 3.13.16

1st Mass production

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

[Create date] 2017/12/18

[Program Name] PCL

[Version] 1.09

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M1095258K

[File Information]

File Name M1095258K.fwu

File Type Module for Service

Size 1.41 MB (1481404 byte)

[File Information]

File Name M1095258K.rfu

File Type Module for Remote Upgrade

Size 1.42 MB (1487104 byte)

[Availability of RFU] Yes

[Production reflection] 2018/01

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

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- The printing results of the second and subsequent pages might not be as expected while PCL5 host printing.
- When printing the contents of an A3 size document on A4 size paper via Direct printing, the text might be distorted.
- The device might stall when printing a heavy-duty job.

[Modification history]

Version 1.08

Symptom corrected:

- When characters that contain the incorrect TrueType font data are printed, not only are incorrect characters missing but also are correct characters that follow incorrect characters. (GFPR#RE16030046)
- An SC899 error occurs when using the PCL6 driver to print a PDF from the Reader application in Windows 8.1. (GFPR#RA15050002)
- When "Unauthorized Copy Prevention Printing: Printer" is enabled, an error might occur, causing the job to be cancelled. (GFPR#RA14120002)
- If a transparent drawing command is included in a color PCL job, some parts might be printed in blue. (GFPR#RE13080007, GFPR#RE14080009, GFPR#RE14090014, GFPR#RE14100046, GFPR#RE14110035)
- An SC899 error might occur when graphics are drawn by the RGB Brush. (GFPR#RE15100026)
- A blank page or missing image is printed out if the print data created by certain applications (such as Microsoft Excel 2010) contains a significant amount of graphics and/or transparent objects.
- When printing a PCL5 job, black text might be drawn by using process black and result in a blurred or thicker-than-expected output. (GFPR#RA16010003)
- When printing a excel sheet that contains images that drawn by collar custom brush, the job may be canceled.
- When printing PCL data that is output by a host, the background might not be printed.
- A pattern put on top of an image or graphic might be blacked out.
- Image backgrounds might be filled unexpectedly.
- An SC899 error might occur when printing a PCL job which contains reduce or enlarge image. (GFPR#RE16020028)
- Some lines and/or borders might be missing from PCL jobs. (GFPR#RC16040013)
- The image quality output from PCL5 data might be poor if the image was created by using certain applications, such as RICOH ProcessDirector. (GFPR#RE15030034)
- When printing a PCL job which contains images via host printing, an SC899 error might occur.

Version 1.07

Symptom corrected:

1. If an image size is big and has been enlarged by using the "Reduce/Enlarge" option in the PCL6 driver, unexpected white lines might appear in the printout.
2. An image that has had its size downscaled, such as a logo, might not be printed. (GFPR#RE14080016)
3. If a PCL5 job is printed under certain conditions related to the font header information when using host printing, PCL default fonts are used. (GFPR#RE14100009)
4. When printing a PCL5 host-printing job in which 32,000 or more of the fill patterns are specified, the device will stall.
5. Using a bitmap font might result in jobs being cancelled. (GFPR#RE13100030)
6. When printing an N-up PCL6 job by using a printer driver that is for Windows 8 or a later Windows operating system, some characters are missing.
7. If a raster image is specified in the PCL6 driver to be reduced, be enlarged, or undergo N-up printing, unexpected white lines might appear in the printout. (GFPR#RA14080005, GFPR#RA14110005)

Version 1.06

Symptom corrected:

1. PCL jobs with a specified clip range might print unnecessary 1-pixel width lines on the printout.
2. If the glyph data of TrueType fonts includes hinting information that is on the edge of the frame, an SC899 error might occur. (GFPR#RC14030010)
3. If a user who has only black-and-white-printing privileges prints the stored color data in monochrome and if the specified paper size is not set in the input tray, the printing will be cancelled.
4. When the print settings are changed for a stored document that includes a banner page, the changed settings are not applied when the document is printed.
5. When printing more than 111,600 bytes of a bitmap font equivalent to a character that is larger than 39.62mm x 39.62mm via a driver, an SC899 might occur.
6. When printing a monochrome page with toner-saving mode enabled, transparencies might be printed in black.

Version 1.05

Symptom corrected:

1. Specific TrueType fonts that include problematic hinting data might cause an SC899 error to occur. (GFPR#RA13030005, GFPR#RE14020031, GFPR#RC14020002, GFPR#RA14030001, GFPR#RC14030010, GFPR#RC14040001, GFPR#RC14040003, GFPR#RC14040002, GFPR#RC14040004, GFPR#RC14040006, GFPR#RE14040016, GFPR#RC14040007)
2. When printing a PCL job, characters might be missing, cut off,

or experience other rendering problems.

3. When printing PCL job, an SC899 error might occur.
4. Text in duplex PCL jobs are shifted and therefore overlap other text when the data is subjected to both of the following conditions:
 - Specify the frontside of the page by using the < Esc >&a1G command when the current page is the backside.
 - The offset command < ESC >&l#U or < ESC >&l#Z is used after the drawing command is specified. (GFPR#RC13060012, GFPR#RE14010003)
5. The even page of the duplex job cannot be previewed from the SDK application.
6. When printing a job from Microsoft Excel 2013 by using a PCL driver, yellow-colored cells are blacked out.
7. When printing PCL5 jobs that include a scalable font, an SC899 error occurs or the device automatically reboots when fonts have exceeded the 256-character limit available for download. (GFPR#RE14020003)

Version 1.04

Symptom corrected:

1. Specific TrueType fonts that include problematic hinting data might cause an SC899 error to occur. (GFPR#RA13030005)
2. If the number of copies for a collated job is set to "1" in the driver and the number of copies is changed on the operation panel in which Enhanced Locked Print NX v2 is installed, then the Collate setting in the driver might not be applied.

Version 1.03

1st Mass production

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

[Create date] 2018/11/08

[Program Name] Network Support

[Version] 12.56

[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.] M1095255J

[File Information]

File Name M1095255J.fwu

File Type Module for Service

Size 7.85 MB (8235348 byte)

[File Information]

File Name M1095255J.rfu

File Type Module for Remote Upgrade

Size 7.86 MB (8241408 byte)

[Availability of RFU] Yes

[Production reflection] 2018/10

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

[Note]

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

[Important Notes]

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

=====
[Modifications made:]

Rank C

Symptom corrected:

- When the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active", authentication will fail.
- When the device is in Energy Saver Mode, if information about the network interface for the device is being obtained from the SNMP Manager application, nonexistent errors are recorded in the system logs.
- SC819 might occur after updating firmware remotely.
- If the device has not been used a significant amount of times, functions that require a network connection will fail.

[Modification history]

Version 12.55

Symptom corrected:

1. When the device is in Energy Saver Mode, if information about the network interface for the device is being obtained from the SNMP Manager application, nonexistent errors are recorded in the system logs.
2. When the display language of the operation panel is set to Catalan, Scan to Folder fails.

Other changes:

1. Support of @Remote for IPv6.
2. Changed the DH key specification to use 2,048 bits instead of 512 bits to prevent the Logjam vulnerability (CVE-2015-4000).
In addition, by modifying this specification, SSL/TLS communication can be established when using Mac OS X 10.10.4 and iOS 8.4.

Version 12.54

Other changes:

- When printing from the Windows operating system, if the RAW protocol is used for the standard TCP/IP port, a significant amount of time might pass until the next job is printed. Because of this, the initial print timeout period is changed to 15 seconds and the shortest timeout period that can be set is changed to 5 seconds.

Version 12.53

Symptom corrected:

- When conducting IPP printing on Mac OS X 10.9, the document might not print.
- When running the port scan tool via the IPP port (TCP 631), an SC899 error might occur.

Version 12.52

Symptom corrected:

1. SMB timeout increased to 20 seconds (from 10 seconds).
2. When getting a network summary from @Remote, the security-level items might not display correctly.
3. If NBT is disabled, the destination for Scan to Folder might not be displayed and Windows authentication might fail.
4. Although the LLNMR of IPv4 and IPv6 are enabled in Web Image Monitor, it might not affect the printed result of the NIB Summary (SP5-990-007) and/or the Print List in Interface Settings of System Settings.
5. When multiple SDK applications are introduced, an SC899 error might occur.
6. When importing the device settings information, if the host name is set by default, an error message might appear, stating that some of the settings were not imported.
7. The "148 x 200 mm" (Japanese double postcard) option might not appear in the paper size options on the AirPrint printing screen.
8. When DHCP v6 is enabled, turning the power off and then on might cause a memory leak.
9. When simultaneously printing from AppleTalk on a Mac and a protocol other than AppleTalk in Windows, an SC899 error might occur.
10. When PEAP or TTLS is used as the IEEE 802.1X authentication method and the server certification check is disabled, the IP address might not be obtained after the device is restarted.

Version 12.51.2

Symptom corrected:

All communication between an Embedded RC Gate and the @Remote Center is interrupted if a time-out error occurs during SSL negotiation.

Note: Instead of retrying the negotiation, the machine switches to Rescue Mode (updating of machine certificates).

Version 12.51.1

1st Mass production

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

[Create date] 2017/05/02

[Program Name] PS3 Font

[Version] 1.16

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M1095275A

[File Information]

File Name M1095275A.fwu

File Type Module for Service

Size 4.59 MB (4815356 byte)

[File Information]

File Name M1095275A.rfu

File Type Module for Remote Upgrade

Size 4.60 MB (4821248 byte)

[Production reflection] 2017/05

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

[Note]

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

[Important Notes]

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

[Modifications made:]

Other changes:

This firmware was modified to support SP 450DN.

[Modification history]

Version 1.16

1st Mass production

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

[Create date] 2018/11/06

[Program Name] Java VM v11 for eDC

[Version] 11.40.01

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] M1095283C_edc

[File Information]

File Name M1095283C_edc.ifu

File Type Module for Service

Size 58.98 MB (61846360 byte)

[Availability of RFU] No

[Production reflection]

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

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

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

Other changes:

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

[Modification history]

Version 11.38.01

Symptom corrected:

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

Version 11.37.00

Symptom corrected:

- 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 11.35.01

Symptom corrected:

- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
- After applying the security update that changes the priority order

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

- When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.

Version 11.33.02

Symptom corrected:

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

Version 11.32.04

Symptom corrected:

- Machine may stall, if scanned from the contact glass with Size Setting disabled.
- SC637 may occur, if the machine is shut down while printing.
- ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.
- If an ESA application is installed to or uninstalled from multiple PCs via Remote Install Manager or SLNX ADM at the same time, the application may not detect the device status for the other installations/uninstallations

Version 11.30.02

Symptom corrected:

- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
- User information may not be displayed, if a job is run by logging in with the user code authentication.
- Machine response slows down when a trouble occurs in the HDD.
- Characters are randomly broken onto new lines, if the following settings are configured in Scan Settings:
 1. Vertical text in a PDF file is copied and pasted into an application.
 2. "OCR Settings" is set to "On".
 3. "Cognitive Language" is set to "Japanese".
- Less than 128-bit encryption methods will be prohibited.

Version 11.26.04

- 1st Mass production for Da-P1d

Version 11.17.01

- 1st Mass production for Gim-P1c/Gim-P1d/Gim-MF1d

Version 11.17.01

Error correction

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

Version 11.16.00

Symptom Corrected:

- SC990 occurs when machine is powered on, and it cannot be recovered by the machine reboot.
- SC899 may occur when a device recovers from STR mode.
- ESA application screen may be displayed when visible/not visible settings for ESA counter screen is changed 5 or more times.
- Coin charge request may not be displayed on ESA application screen even no charge remains in a coin rack.
- If the scan function is used on a device with Streamline NX, GlobalScan NX, or RICOH Scan CX installed, the job log is not registered correctly.
- If ESA application is installed, HTTP communication may not be performed correctly.
- When using the scan function continuously on a device with Streamline NX or GS-NX is installed, a "Scanner is in use by another function" error may occur.
- As for Streamline NX, the login screen immediately after an application change is not displayed.
- USB device ESA applications use cannot be used because vender ID and product ID are not correctly registered on the device.
- Application switching might not be performed when Steamline NX or 3rd vendor application switches the normal application on the operation panel.
- When the device recieves a lot of data, the device may freeze.
- ELP-NX V2 does not accept the print job, even if a error code which allows printing to continue is notified.
- If CAP v2 or Streamline NX is used, card login may not be performed.
- When switching a language on the initial setting screen, if the initial setting screen is closed immediately, the display does not switch the language in the ESA application.
- When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen.
- A Java VM internal process causes a change to the device's configured sleep timing.
- Even if a Java VM remote update has been successful, the device may display a banner message saying "SDK/J update done FAIL" incorrectly.
- An unexpected screen may appear when a device with 9 or more ESA applications installed recovers from energy saver mode.
- An ESA application may stop during a scan with PDF creation if a paper jam occurs during the 1st page of the input document.
- ESA application installation and uninstallation may take longer than expected in specific conditions.
- When a device failed to reboot after receiving a reboot request from a device management application, installed ESA applications would not restart automatically and remained in "Stopped" status.
- Java VM might not start properly when the device is started.
- RuntimeException rarely occurs when a device with multiple ESA applications installed recovers from energy saver mode.

- Depending on a Device Java VM internal file, the device results in SC990 when it is continuously used.(for Ti-P1)

Version 11.05.04

- SC899 very rarely occurs when a device is started.
- SC998 very rarely occurs when a device recovers from energy saver mode while ESA applications are set as function priority.
- The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed.
- The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode.
- SDK/J smmary may not be printed out when 13 or more ESA applications are installed.
- 4 line LCD devices do not enter Energy Saver Mode after specific operations.
- SC899 may occur when a device with a FAX function recovers from energy saver mode.

Version 11.02.04

Pre-release

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

[Create date] 2019/02/27

[Program Name] Java VM v11 UpdateTool

[Version] 11.41.00

[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.] M1095283D_upd

[File Information]

File Name M1095283D_upd.exe

File Type Module for Service

Size 58.69 MB (61542255 byte)

Check Sum -8Bit Sum: 2F27

 -16Bit Sum(Little Endian): A5A7

 -16Bit Sum(Big Endian): B080

[Availability of RFU] No

[Production reflection]

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

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- Errors might be occurred by using the Globalscan.

[Modification history]

Version 11.40.01

Rank C

Symptom corrected:

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

Other changes:

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

Version 11.38.01

Symptom corrected:

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

Version 11.37.00

Symptom corrected:

- 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 11.35.01

Symptom corrected:

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

Version 11.33.02

Symptom corrected:

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

Version 11.32.04

Symptom corrected:

- SC637 may occur, if the machine is shut down while printing.
- ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.
- Machine may stall, if scanned from the contact glass with Size Setting disabled.

Version 11.30.02

Symptom corrected:

- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
- If the firmware is updated remotely while the device is in energy saving mode, the SDK platform may not boot up.
- User information may not be displayed, if a job is run by logging in with the user code authentication.
- Machine response slows down when a trouble occurs in the HDD.
- Characters are randomly broken onto new lines, if the following settings are configured in Scan Settings:
 1. Vertical text in a PDF file is copied and pasted into an application.
 2. "OCR Settings" is set to "On".
 3. "Cognitive Language" is set to "Japanese".
- Less than 128-bit encryption methods will be prohibited.

Version 11.26.04

- 1st Mass production for Da-P1d

Version 11.17.01

- 1st Mass production for Gim-P1c/Gim-P1d/Gim-MF1d

Version 11.17.01

Error correction

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

Version 11.16.00

Fixed:

- If the scan function is used on a device with Streamline NX, GlobalScan NX, or RICOH Scan CX installed, the job log is not registered correctly.
- If ESA application is installed, HTTP communication may not be performed correctly.

Version 11.05.04

- SC899 very rarely occurs when a device is started.
- SC998 very rarely occurs when a device recovers from energy saver mode while ESA applications are set as function priority.
- The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed.
- The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode.
- SDK/J smmary may not be printed out when 13 or more ESA applications are installed.
- 4 line LCD devices do not enter Energy Saver Mode after specific operations.
- SC899 may occur when a device with a FAX function recovers from energy saver mode.

Version 11.02.04

Pre-release

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

[Create date] 2017/12/18

[Program Name] Printer

[Version] 3.04

[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.] M1095288D

[File Information]

File Name M1095288D.fwu

File Type Module for Service

Size 3.60 MB (3779952 byte)

[File Information]

File Name M1095288D.rfu

File Type Module for Remote Upgrade

Size 3.61 MB (3784960 byte)

[Availability of RFU] Yes

[Production reflection] 2018/1

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

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- IPDS printing might stall if IPDS jobs are printed continuously.
- The functions of Enable mode and Disable mode are reversed in "Engy Sv Md to Dsbl Prt Srv".
- 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.

[Modification history]

Version 3.03

Symptom corrected:

- When attempting to preview a large-size JPEG image from "Print/Scan (Memory Storage Device)", an SC899 error occurs.

Version 3.02

Symptom corrected:

1. An SC899 error might occur when the RHPP port (port 59100) receives specific data.
2. Under all of the following conditions, paper is fed from the device trays even though the paper feed tray setting in the driver is set to the bypass tray:
 - The "Tray Setting Priority" of the bypass tray is "Driver/Command".
 - The "Paper Confirmation for Bypass Tray Display" setting is "Display".
 - The "Tray Switching" setting is "On".
 - The paper size and paper type set on the device matches to the setting configured on the driver is selected.

Version 3.00

Symptom corrected:

1. "MediaPrint:TIFF" is missing from the Self-Diagnosis Report and Logging Data in the SMC Report.
2. Error messages that are related to AirPrint are not printed in the Error Log list.

Version 2.00

Symptom corrected:

1. A specific combination of Staple and Punch or Staple and

Duplex/Booklet can be selected from the SDK application even though the combination is not supported; however, the selected configuration is not applied.

2. The printer might stall when one of the following is performed:
 - Printing without storing jobs that contain exclusions when using the "Card Authentication Package V2", "Enhanced Locked Print NX V2", "Card Authentication Package Enterprise Server V2", or "Enhanced Locked Print NX Flex Server V2" setting.
 - Printing a webpage from the browser on the operation panel.
3. The specific combination of "Duplex/Booklet" and "Bypass Tray" might not be selectable from the settings in the SDK application even though the combination is supported.
4. A print job conducted from Ricoh Smart Device Print&Scan via Enhanced Locked Print NX FS v2 cannot be printed.

Version 1.08

Symptom corrected:

When printing a gzip file, print jobs might be reset. If that occurs, the message "Compressed Data Error." will appear on the display.

Version 1.07

Symptom corrected:

1. The "Coated Paper : Gloss" and "Coated Paper" items are not listed in the Media Type dropdown list on the Add IPDS Form screen in Web Image Monitor.
2. When the Media Size item "100 x 148 mm" is chosen on the Add IPDS Form screen in Web Image Monitor, LEF can be selected.
3. The IPDS Form size "148 x 200 mm" cannot be assigned to Tray 1.
4. The following items listed in Media Type on the Add IPDS Form screen in Web Image Monitor should not be available:
"Plain Paper" and "Recycled Paper".

Other changes:

1. SP5305-101 was added to comply with Blue Angel requirements.

Note:

- This SP can be set to a value of 0 or 1.
 - When set to 1, the highest value for the Sleep Mode Timer becomes 60 min. (not 120 or 240 min.), and Sleep Mode cannot be turned off.
2. "Please wait" will be displayed while the printer is cooling down.

Version 1.06

1st Mass production