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*** Basic Information ***
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[Create date] 2018/11/29

[Program Name] PCL

[Version] 1.07

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2055569G

[File Information]

File Name D2055569G.fwu

File Type Module for Service

Size 1.34 MB (1400988 byte)

[File Information]

File Name D2055569G.rfu

File Type Module for Remote Upgrade

Size 1.34 MB (1409280 byte)

[Availability of RFU] Yes

[Production reflection] 2018/10

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

- The overlay image might not be correctly printed with PCL.

[Modification history]

Version 1.06

Rank C

Symptom corrected:

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

Version 1.05

Symptom corrected:

- When printing from the PCL6 UD, if the "Paper Type" setting is "Postcard", the job might output "PCL XL error IllegalMediaType".

Version 1.04

Symptom Corrected:

- PCL macros that were uploaded to the HDD cannot be printed. (GFPR#RE16080014)
- An error might occur while printing a job when "Unauthorized Copy Prevention" is enabled and asterisks are included with characters in the "Enter User Text".
- 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)
- A blank page or missing image is printed out if the Print data created by certain applications (such as Microsoft Excel 2010) contains a significant amount of graphics and/or transparent objects.
- An SC899 error might occur when graphics are drawn by the RGB Brush. (GFPR#RE15100026)

Version 1.03

Symptom corrected:

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

Version 1.02

1st Mass production

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

[Program Name] PDF

[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.] D2055572F

[File Information]

File Name D2055572F.fwu

File Type Module for Service

Size 4.21 MB (4415056 byte)

[File Information]

File Name D2055572F.rfu

File Type Module for Remote Upgrade

Size 4.22 MB (4419840 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

Symptom corrected:

- A PDF might not print if the previous PDF print job was cancelled manually.
- SC899 might occur when printing a PDF file containing a TrueType font.
- Printing a PDF with a transparent image and a shaded image might take a long time due to memory release processing, and the shaded image might not be printed as expected.
- Images might be missing and an invalid font error might occur when printing a webpage with Adobe Typekit fonts.
- When printing a PDF file that contains transparent images via PDF Direct, the output might be distorted.

[Modification history]

Version 1.05

Rank C

Symptom corrected:

- When sending a fax via the SmartSDK, images might be missing or output at the wrong size.
- The device might stall during PDF direct printing if a spot color is used.
- The device might stall during PDF direct printing if a job contains a Bezier curve.
- If a PDF contains transparent images, printing might be canceled due to a lack of memory.

Version 1.04

Fixed:

- Job cancellation or missing image might occur when direct printing a PDF job contains a content stream.
- 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.

Version 1.03

Symptom corrected:

1. Printing might be slow when a spreadsheet containing many cells with patterns that are different from the default pattern in the following setting is printed from Microsoft Excel 2013:
Select "Format Cell", select the "Fill" tab, and change the "Pattern Style" setting.
2. Images might be missing when printing from the PS3 driver.
3. An SC899 error might occur when printing PS data that contains

composite fonts.

4. When printing a PDF file that contains graphics or text via PDF Direct, an SC899 error might occur.

Version 1.02

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/29

[Program Name] Java VM v12 std for eDC

[Version] 12.62.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2055574Q_edc

[File Information]

File Name D2055574Q_edc.ifu

File Type Module for Service

Size 62.35 MB (65374004 byte)

[Availability of RFU] No

[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

Symptom corrected:

- The package firmware might not be updated if the firmware includes an application that needs to be rebooted when updated.
- Gloria don't start up when power off/on then system settings can't be used.

Other changes:

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

[Modification history]

Version 12.59.01

Rank C

Symptom corrected:

- SC899-00 may occur if logging in from a keyboard.
- FAX cannot be transmitted if CAP v2 is installed.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The SDK application may stop suddenly due to the increase of memory usage.

Other changes:

- Minor changes for its internal operations.

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:

- 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.

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.
- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
- When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
- SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
 - Cannot log in.
 - Cannot scan.
 - Cannot print.
 - Error message appears.etc.
- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

Version 12.40.00

Minor bug correction.

Version 12.36.00

Symptom corrected:

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

Version 12.34.01

Symptom corrected:

- Once changed, the HTTP/HTTPS settings may never be changed again.

Other changes:

- Support for the Application Site.

Version 12.29.02

Symptom corrected:

- If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on.
- Tracking data of the Enhanced Print Volume Use Limitation - option that appears in the user tools system settings menu if installed with the SLNX - is not completely transferred to the ESA application.
- Error may occur, if ESA application is uninstalled with the extended features of WIM.
- Pre-installed application can be falsely uninstalled with the extended features of WIM.
- ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.

Other changes:

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

Version 12.22.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/29

[Program Name] Java VM v12 std UpdateTool

[Version] 12.62.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2055574Q_upd

[File Information]

File Name D2055574Q_upd.exe

File Type Module for Service

Size 62.15 MB (65173403 byte)

Check Sum -8Bit Sum: FFB4

 -16Bit Sum(Little Endian): B4AE

 -16Bit Sum(Big Endian): FF06

[Availability of RFU] No

[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

Symptom corrected:

- The package firmware might not be updated if the firmware includes an application that needs to be rebooted when updated.
- Gloria don't start up when power off/on then system settings can't be used.

Other changes:

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

[Modification history]

Version 12.59.01

Rank C

Symptom corrected:

- SC899-00 may occur if logging in from a keyboard.
- FAX cannot be transmitted if CAP v2 is installed.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The SDK application may stop suddenly due to the increase of memory usage.

Other changes:

- Minor changes for its internal operations.

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:

- 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.

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.
- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
- When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
- SDK application behavior may be incorrect or inconsistent.
(CAP/ELP/SLNX/GSNX/etc.)
Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
- Cannot log in.
- Cannot scan.
- Cannot print.
- Error message appears.
etc.
- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

Version 12.40.00

Minor bug correction.

Version 12.36.00

Symptom corrected:

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

Version 12.34.01

Symptom corrected:

- Once changed, the HTTP/HTTPS settings may never be changed again.

Other changes:

- Support for the Application Site.

Version 12.29.02

Symptom corrected:

- If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on.
- Tracking data of the Enhanced Print Volume Use Limitation - option that appears in the user tools system settings menu if installed with the SLNX - is not completely transferred to the ESA application.
- Error may occur, if ESA application is uninstalled with the extended features of WIM.
- Pre-installed application can be falsely uninstalled with the extended features of WIM.
- ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.

Other changes:

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

Version 12.22.01

1st mass production

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*** Basic Information ***
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[Create date] 2018/08/21

[Program Name] PCL

[Version] 1.06

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2055569F

[File Information]

File Name D2055569F.fwu

File Type Module for Service

Size 1.34 MB (1401044 byte)

[File Information]

File Name D2055569F.rfu

File Type Module for Remote Upgrade

Size 1.34 MB (1409280 byte)

[Availability of RFU] Yes

[Production reflection] 2018/08

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*** Note ***
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[Note]

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

*** Modification History ***

[Modifications made:]

Rank C

Symptom corrected:

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

[Modification history]

Version 1.05

Symptom corrected:

- When printing from the PCL6 UD, if the "Paper Type" setting is "Postcard", the job might output "PCL XL error IllegalMediaType".

Version 1.04

Symptom Corrected:

- PCL macros that were uploaded to the HDD cannot be printed. (GFPR#RE16080014)
- An error might occur while printing a job when "Unauthorized Copy Prevention" is enabled and asterisks are included with characters in the "Enter User Text".
- 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)
- A blank page or missing image is printed out if the Print data created by certain applications (such as Microsoft Excel 2010) contains a significant amount of graphics and/or transparent objects.
- An SC899 error might occur when graphics are drawn by the RGB Brush. (GFPR#RE15100026)

Version 1.03

Symptom corrected:

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

Version 1.02

1st Mass production

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*** Basic Information ***
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[Create date] 2018/06/05

[Program Name] PDF

[Version] 1.05

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2055572E

[File Information]

File Name D2055572E.fwu

File Type Module for Service

Size 4.21 MB (4414512 byte)

[File Information]

File Name D2055572E.rfu

File Type Module for Remote Upgrade

Size 4.22 MB (4419840 byte)

[Availability of RFU] Yes

[Production reflection] 2018/05

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

- When sending a fax via the SmartSDK, images might be missing or output at the wrong size.
- The device might stall during PDF direct printing if a spot color is used.
- The device might stall during PDF direct printing if a job contains a Bezier curve.
- If a PDF contains transparent images, printing might be canceled due to a lack of memory.

[Modification history]

Version 1.04

Fixed:

- Job cancellation or missing image might occur when direct printing a PDF job contains a content stream.
- 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.

Version 1.03

Symptom corrected:

1. Printing might be slow when a spreadsheet containing many cells with patterns that are different from the default pattern in the following setting is printed from Microsoft Excel 2013:
Select "Format Cell", select the "Fill" tab, and change the "Pattern Style" setting.
2. Images might be missing when printing from the PS3 driver.
3. An SC899 error might occur when printing PS data that contains composite fonts.
4. When printing a PDF file that contains graphics or text via PDF Direct, an SC899 error might occur.

Version 1.02

1st Mass production

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*** Basic Information ***
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[Create date] 2018/03/05

[Program Name] Java VM v12 std for eDC

[Version] 12.59.01

[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.] D2055574P_edc

[File Information]

File Name D2055574P_edc.ifu

File Type Module for Service

Size 62.33 MB (65361408 byte)

[Availability of RFU] No

[Production reflection] 2018/02

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

- SC899-00 may occur if logging in from a keyboard.
- FAX cannot be transmitted if CAP v2 is installed.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The SDK application may stop suddenly due to the increase of memory usage.

Other changes:

- Minor changes for its internal operations.

[Modification history]

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:

- 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.

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.
- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
- When "Tracking Permission" and "Stop Printing" are enabled in "Enhanced Print Volume Limitation", processing of the job might fail.
- SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
- Cannot log in.
- Cannot scan.
- Cannot print.
- Error message appears.
etc.
- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

Version 12.40.00

Minor bug correction.

Version 12.36.00

Symptom corrected:

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

Version 12.34.01

Symptom corrected:

- Once changed, the HTTP/HTTPS settings may never be changed again.

Other changes:

- Support for the Application Site.
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Version 12.29.02

Symptom corrected:

- If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on.
- Tracking data of the Enhanced Print Volume Use Limitation - option that appears in the user tools system settings menu if installed with the SLNX - is not completely transferred to the ESA application.
- Error may occur, if ESA application is uninstalled with the extended features of WIM.
- Pre-installed application can be falsely uninstalled with the extended features of WIM.
- ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.

Other changes:

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

Version 12.22.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/03/05

[Program Name] Java VM v12 std UpdateTool

[Version] 12.59.01

[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.] D2055574P_upd

[File Information]

File Name D2055574P_upd.exe

File Type Module for Service

Size 62.15 MB (65168125 byte)

Check Sum -8Bit Sum: C3E8

 -16Bit Sum(Little Endian): 54B6

 -16Bit Sum(Big Endian): 5732

[Availability of RFU] No

[Production reflection] 2018/02

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

- SC899-00 may occur if logging in from a keyboard.
- FAX cannot be transmitted if CAP v2 is installed.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The SDK application may stop suddenly due to the increase of memory usage.

Other changes:

- Minor changes for its internal operations.

[Modification history]

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:

- 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.

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

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

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- Cannot print.
- Error message appears.
etc.
- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

Version 12.40.00

Minor bug correction.

Version 12.36.00

Symptom corrected:

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

Version 12.34.01

Symptom corrected:

- Once changed, the HTTP/HTTPS settings may never be changed again.

Other changes:

- Support for the Application Site.

Version 12.29.02

Symptom corrected:

- If the machine is shut down while Java VM is starting up, Java VM may not activate from the next time the machine is powered on.
- Tracking data of the Enhanced Print Volume Use Limitation - option that appears in the user tools system settings menu if installed with the SLNX - is not completely transferred to the ESA application.
- Error may occur, if ESA application is uninstalled with the extended features of WIM.
- Pre-installed application can be falsely uninstalled with the extended features of WIM.
- ESA applications that support distribution of inbound FAX documents (such as GlobalScan or SLNX SFM) will deliver inbound FAX documents that include the metadata from other FAX jobs.

Other changes:

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

Version 12.22.01

1st mass production

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***** Basic Information *****
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[Create date] 2019/09/10

[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.] D2595552X

[File Information]

File Name D2595552X.fwu

File Type Module for Service

Size 29.42 MB (30844008 byte)

[File Information]

File Name D2595552X.rfu

File Type Module for Remote Upgrade

Size 29.42 MB (30851328 byte)

[Availability of RFU] Yes

[Production reflection] 2019/09

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

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

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

Rank C

Symptom corrected:

- "Unexpected error" may appear when ELP/CAP or some particular application is installed.

[Modification history]

Version 1.19

Rank C

Symptom corrected:

- When "Application Authentication Settings" is enabled, SC899 might occur after registering or updating an address book over 220 times from Web Image Monitor.
- When the auto logout setting is enabled, logout failed message might appear during the printing.
- 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.

Version 1.18

Rank C

Symptom corrected:

- The document receipt by Mail to Print function might not be printed, in case the device receives the document at either of the followings conditions;
 - 1) The device is turned on, but the booting procedure is not completed.
 - 2) The device is rebooted after SC, and the dialog of reboot is displayed on the device.
 - 3) The device is printing the document through Enhanced Locked Print.
- FAX transmission from PC-FAX driver might fail on the device with custom authentication, when the transmission is tried within five seconds after turning to energy saving mode.
- Remote installation of a SOP application while a user is logged into the device might fail.
- Installation of the Cheetah application from the Web Image Monitor fails when the SSL encryption level is set to "Ciphertext Priority" or "Ciphertext Only".
- Image log might not be sent and stay in the device.
- It takes time to login after authenticating the card.
- Preview screen of a print job on Enhanced Locked Print might freeze, when the page is repeatedly moved.
- Cancelling scanning might result in SC990/991 occurring and the machine rebooting.
- Copy application and FAX application might not start when pressing

these application icons.

- Login might fail and the application icon might not be displayed.

Other changes:

- Added html format for Scan to Email function.
- An additional volume level can be added to the fax sound volume settings.
- A minor change only for the Japanese model.

Version 1.17

Rank C

Symptom corrected:

- Kerberos authentication might take time because the TCP timestamp starts with a zero.

Version 1.16

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.

Version 1.15

Rank C

Symptom corrected:

- The following symptoms may occur when restarting the operation panel:
 - IC card does not respond
 - Cannot enter SP mode
 - Cannot connect to WIM (Web Image Monitor)
- The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.
- When JavaVM is not enabled and only IPv6 is enabled, the list of installed applications is not displayed in Extended Feature Info on the Web Image Monitor.
- If some characters are included in a user name, login authentication is not correctly done.
- An SC error might occur when scanning with AirPrint, WSD-Scanner, or DSM.

Version 1.14

Rank C

Symptom corrected:

- When the authentication setting is adjusted for each application, SC998 or SC991 might be displayed.
- When using Windows authentication, LDAP authentication, or external authentication, if exporting the address book from Device Manager NX, the export data cannot be imported.
- Remote un-installation for Streamline NX might fail.

- The quota notification cannot be displayed on some SmartSDK applications.
- 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.
- If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.

Other changes:

- Supported RICOH SmartSDK v2.50.

Version 1.13

Symptom corrected:

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

Version 1.12

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.12 (D2595552N)

Network Support v15.41.1 (D2595564J)

Web Support v1.06 (D2595560H)

Scanner v01.06 (D2595559H)

animation v1.04 (D2595563F)

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

Version 1.11

Symptom corrected.

- SC998 may occur when powering on if an ESA application is set as a priority function.
- A true/false based API control was added to check the capability of Scan and FAX.
- In the "Printing text and serial numbers" mode, blank text with serial numbers cannot be copied on the copying sheets.
- User usage restrictions do not come into effect if authentication is enabled in Quick Card Authentication.
- Cannot refer to the address book in the Simple Fax or Simple Copy applications under the following conditions:
 - Address book usage or registration restrictions are enabled
 - Administrator setting restrictions are enabled
- Machine does not respond to job cancel request via remote just before a copy job ends.
- SC672-11 may be occurred when software rebooting is done after SDK application installed.
- An invalid value is returned when obtaining the counter MIB, ricohEngCounterValue, during device shutdown.

- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- Fixed unnecessary processing affecting hard disk failure and deterioration.
- 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 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.
- If user authentication is set to something other than User Code, the Eco information screen might not be displayed at the expected timing when a user logs in.

Specification Change

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

Other changes:

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

Version 1.10

Symptom corrected:

- SC871-01(FCU Error) may occur after recovering from sleep mode.

Other changes:

- The conditions that initiate the Auto Logout timer were changed as follows.
SP5-401-230 bit7 = 1: Initiates after completing the last job run from the operation panel.
SP5-401-230 bit7 = 0: Initiates after the last action performed on the operation panel.

Version 1.09

Symptom corrected:

- The operation panel may freeze, if the Start button is pressed in copy mode immediately after recovering from the energy saver mode.
- Setting paper on the Bypass tray automatically assigns the Bypass tray as the feed tray.
- Error message appears, if the Home button is pressed while the screen is displaying the Current Job tab in Check Status.

Other changes:

- The paper size mismatch error message that appears when printed from the bypass tray was improved.
- FAX received can be printed manually from the Bypass tray.

Version 1.08

Symptom Corrected:

- After entering the user code to start up the Copy application, the user code input screen does not disappear.
- If a jam occurs on the first page of a job on a machine set with user code authentication and then, the start button and log-out button are pressed together, the start button becomes ineffective.
- 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
- SC819 may occur, if the auto log-out timer and the energy saving timer are set to the same value.
- SC819 may occur after removing a jam that occurred while printing a large job that fully consumes the printer memory.

Other changes:

- More than five languages can be added to the "Change Langs. Widget" on the smart operation panel.
- The machine reboots automatically after an SC670.
- Added the following sub codes for SC670:
 - SC670-03:Engine start up error when the machine boots up
 - SC670-04:Communication error between the engine and controller

Version 1.07

Other changes:

- Added an SP setting for enabling or disabling the "Screen Monitoring" function.
SP5-885-205: default = 0 ("Screen Monitoring" is enabled)
- This firmware is dependent on Web Support firmware v1.03 (D2595560E) or later, so please be sure to update that firmware as well.

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

Symptom corrected:

- SC899 may occur after updating with the packaged firmware.
- Error occurs, if new addresses are continuously registered to the address book using Smart SDK.
- SC899 may occur when installing @Remote.
- The service mode lock can falsely be unlocked by the user under particular conditions.
- Log in screen cannot be displayed after reboot device installed StreamlineNX.
- If the device enters Energy Save Mode after automatically logging out of an account, the device might stall when IC card authentication is used to recover from Energy Save Mode once out of every 200 times.
- When LDAP Authentication or Windows Authentication is used and login fails, the machine might beep twice.
- If a user ID is input manually and then an IC card of a different user is hovered over the card reader, the user ID manually input is overwritten with the user ID of the IC card.

- If logged in using CAP and the device enters Energy Save mode, the device may stall and logging out will fail.
- Memory leak may occur when logged in/out under the conditions below:
 - IC card authentication is not installed
 - Extended authentication (SP5-401-160) disabled
- Remote authentication fails on a device set with the Quick Card Authentication enabled, if the machine is asleep.
- When Windows Authentication is being used, LDAP search fails and DSM is unavailable.

Version 1.06

Other changes:

- Support for AirPrint.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- Network Support firmware: v15.36 or later (D2595564D)
- Web Support firmware: v1.02 or later (D2595560D)
- Printer firmware: v1.03 or later (D2595566E)
- animation firmware: v1.02 or later (D2595563D)

Version 1.05

Symptom corrected:

- Installation of the SLNX Hybrid mode application may not complete.
- Package RFU update may fail.

Version 1.04

Symptom corrected:

- SC819 may occur when printing particular files.
- SC899 may occur during a remote firmware update (RFU), if the SD card for FW update is removed without turning OFF the machine power.
- Download of SFU and Zoo may fail.

Other changes:

- Support for the Application Site.

Version 1.03

Symptom corrected:

1. Fax received is not printed and forwarded to the folder, if "Forwarding setting of Reception File Setting" is enabled.
2. If turning ON the power with SP5-758-001(Remote UI Setting Authentication) set to "1", SC673-10 may appear with the LED lighting in red.
3. SC991 may occur when recovering from sleep mode. After the SC, the machine may not be able to enter the sleep mode or automatically log out.
4. Applications can be uninstalled from Web Image Monitor.
5. When the following settings are enabled, print jobs that have been conducted are not displayed on the job history screen:
 - On the operation panel: User Tools > Printer Features >

System tab > Store and Skip Errored Job
- In Web Image Monitor: Device Management > Configuration >
Printer > Basic Settings > Store and Skip Errored Job
This firmware is dependent on Web Support firmware v1.01 (D2595560C)
or later, so please be sure to update it.

Version 1.02

Symptom Corrected:
Machine stalls and firmware cannot be updated, if RFU is executed
from the Center Server via external appliances.

Version 1.01
1st Mass production

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*** Basic Information ***
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[Create date] 2019/05/15

[Program Name] Fax

[Version] 09.00.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2595557K

[File Information]

File Name D2595557K.fwu

File Type Module for Service

Size 2.59 MB (2711748 byte)

[File Information]

File Name D2595557K.rfu

File Type Module for Remote Upgrade

Size 2.59 MB (2720000 byte)

[Availability of RFU] Yes

[Production reflection] 2019/04

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

- A paper jam might occur in the ADF when faxing a document in the following way:
 - The first page placed in the ADF is smaller than the second page.
 - The second page is wider than A4 size.

[Modification history]

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.
- Fax might not recover to normal mode when the machine recovers from energy saving mode.

Version 07.00.00

Rank C

Symptom corrected:

- When sending a fax via the SmartSDK, images might be missing or output at the wrong size.
- The printing and capturing of received faxes is stopped and the fax application screen might freeze when receiving faxes intermittently from multiple lines if the fax reception capturing function is enabled.

Version 06.00.00

Rank C

Symptom corrected:

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

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:

- 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 04.00.00

Other changes:

- The FAX speaker volume can be amplified by selecting sound level 4-7.
- FAX received can be printed manually from the Bypass tray.

Version 03.00.00

Symptom corrected:

- If logged in with user authentication, FAX settings for Auto Print FAX Journal (SWUSR_03, bit7) and setting whether or not to include sender name in reports (SWUSR_04, bit5) may change after logging out.
- SC899 may occur when logging out from a machine with the user authentication enabled.
- Fax application may stall when recovering from energy saving mode.
- AirPrintFax cannot be sent from Mac and alert message 'During in use on other function' appears.

Procedure:

1. Perform AirPrintFax from Mac.
 2. Change the network setting (system setting>interface setting in user tools) after the transmission.
 3. Perform AirPrintFax from MacPC again.
- Upon an error, the error message in the status check window disappears and the status check LED turns OFF.
- ##### Procedure:
1. Create a fax connection error between the client and sub machines.
 2. Open Smart FAX or Simple FAX application on the client machine.
 3. Open the status check window after the FAX connection error alert appears.
- Address list may not appear in the FAX application.

Version 02.00.00

Change:

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

Version 01.01.00

1st Mass production

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*** Basic Information ***
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[Create date] 2018/12/10

[Program Name] Scanner

[Version] 01.09

[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.] D2595559L

[File Information]

File Name D2595559L.fwu

File Type Module for Service

Size 2.13 MB (2230668 byte)

[File Information]

File Name D2595559L.rfu

File Type Module for Remote Upgrade

Size 2.13 MB (2236672 byte)

[Availability of RFU] Yes

[Production reflection] 2018/10

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*** Note ***
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[Note]

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

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

Rank C

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

[Modification history]

Version 01.08

Rank C

Symptom corrected:

- When blank pages are scanned while "Delete Blank Page" is enabled in the OCR setting, the message "All the pages are detected as blank. No file was created." might reappear.
- When a job is conducted by using the TWAIN driver, the legacy Scanner application continues to be displayed.
- When an error occurs while user code authentication is enabled, the login screen might appear for a moment.
- When OCR is set and a document over 51 pages is sent by Scan to Email, sending might fail.
- When OCR is set and a document over 256 pages is scanned, the Scanner application might freeze or SC997 might occur.
- When scanning from SmartSDK applications, files are stored in PDF/A format even when trying to store the files in TIFF/JPEG format.
- If scanning while "Download File Directly from URL Link" is set to On, "Insert Additional Email Info" is set to Off, and OCR is enabled, an SC899 error might occur after the original is scanned.
- When scanning with AirPrint in MacOS X 10.12 or later, the device sends a full color JPEG even if specifying a black and white JPEG.
- The following bug was fixed again:
When the device is accessed from Web Image Monitor just before scanning is finished under the following conditions, the device cannot be logged out from even if "Logout" is pressed, and then the Scanner application cannot be used:
 - When user authentication is enabled.
 - When custom authentication, such as Card Authentication Package, is being used.

Version 01.07

Rank C

Other changes:

- Supported RICOH SmartSDK v2.50.

Version 01.06

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 v1.12 (D2595552N)
Network Support v15.41.1 (D2595564J)
Web Support v1.06 (D2595560H)
Scanner v01.06 (D2595559H)
animation v1.04 (D2595563F)

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

Version 01.05

Symptom corrected:

1. 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.
2. When a large number of destinations are set in either of the following applications, it might take 10 seconds or more for the paper to be fed:
 - Quick Scanner
 - Quick Fax
 - Scanner
 - Fax

Version 01.04

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 01.03

Symptom corrected:

1. A3 size cannot be specified in macOS when scanning by using AirPrint.
2. When a scan job is conducted from "Simplified Scrn." under the following conditions, the files for that job cannot be deleted from the temporary memory after the job has been sent:
 - User Authentication is enabled.
 - "Download File Directly From URL Link" is enabled.
 - "File Emailing Method" is set to "Send URL Link" or "Auto Detect".
3. When 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.

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.
6. 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.

Version 01.02

Symptom corrected:

1. When "Copy Server : Set Function" (SP5-967-001) is set to OFF on a printer that has an HDD installed, "Program Setting for Destinations" does not appear in Scanner Features.
2. When "Download File Directly From URL Link" is enabled and scan to URL is conducted 100 times or more, the scan job might fail.

Version 01.01

Symptom corrected:

1. When the Capture Setting and User Code authentication are enabled, the scanned images from some applications are recorded in the log with the wrong user name or are not recorded.
2. When scanning from Mac OS X 10.12 by using AirPrint, the resolution is always 200 dpi.
3. When scanning from Mac OS X 10.12 by using AirPrint, the output file cannot be opened in the viewer.

Version 01.00

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/29

[Program Name] Web Support

[Version] 1.08

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2595560K

[File Information]

File Name D2595560K.fwu

File Type Module for Service

Size 6.93 MB (7261980 byte)

[File Information]

File Name D2595560K.rfu

File Type Module for Remote Upgrade

Size 6.93 MB (7266560 byte)

[Availability of RFU] Yes

[Production reflection] 2018/10

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

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

Other changes:

- Added html format for Scan to Email function.
- 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 1.07

Rank C

Symptom corrected:

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

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 v1.12 (D2595552N)

Network Support v15.41.1 (D2595564J)

Web Support v1.06 (D2595560H)

Scanner v01.06 (D2595559H)

animation v1.04 (D2595563F)

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

Version 1.05

Other changes:

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

Version 1.04

Symptom corrected:

- When changing the password policy in the "Extended Security" menu

through Web Image Monitor, the access log might be not recorded.

Version 1.03

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 v1.07 (D2595552H) or later, so please be sure to update that firmware as well.

Version 1.02

Other changes:

1. Support for AirPrint.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System/Copy firmware: v1.06 or later (D2595552G)
- Network Support firmware: v15.36 or later (D2595564D)
- Printer firmware: v1.03 or later (D2595566E)
- animation firmware: v1.02 or later (D2595563D)

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

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

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

Version 1.01

Symptom corrected:

- When the following settings are enabled, print jobs that have been conducted are not displayed on the job history screen:
 - On the operation panel: User Tools > Printer Features > System tab > Store and Skip Errored Job
 - In Web Image Monitor: Device Management > Configuration > Printer > Basic Settings > Store and Skip Errored Job

This firmware is dependent on System/Copy firmware v1.03(D2595552D) 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] 2018/12/18

[Program Name] animation

[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.] D2595563G

[File Information]

File Name D2595563G.fwu

File Type Module for Service

Size 10.75 MB (11268616 byte)

[File Information]

File Name D2595563G.rfu

File Type Module for Remote Upgrade

Size 10.75 MB (11276544 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

Other changes:

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

[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 v1.12 (D2595552N)

Network Support v15.41.1 (D2595564J)

Web Support v1.06 (D2595560H)

Scanner v01.06 (D2595559H)

animation v1.04 (D2595563F)

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

Version 1.03

Other changes:

- The paper size mismatch error message that appears when printed from the bypass tray was improved.
- FAX received can be printed manually from the Bypass tray.

Version 1.02

Other changes:

- Support for AirPrint.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System/Copy firmware: v1.06 or later (D2595552G)
- Network Support firmware: v15.36 or later (D2595564D)
- Web Support firmware: v1.02 or later (D2595560D)
- Printer firmware: v1.03 or later (D2595566E)

Version 1.01

Symptom corrected:

Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.00

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/29

[Program Name] Network Support

[Version] 15.45

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2595564N

[File Information]

File Name D2595564N.fwu

File Type Module for Service

Size 10.45 MB (10957600 byte)

[File Information]

File Name D2595564N.rfu

File Type Module for Remote Upgrade

Size 10.46 MB (10965248 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

Symptom corrected:

- DNS name resolution for the device might fail if DDNS is enabled in a DHCPv6 environment.

[Modification history]

Version 15.44

Rank C

Symptom corrected:

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

Version 15.43

Rank C

Symptom corrected:

- Unnecessary logs are recorded in the system logs when connecting to the network through a wireless LAN.
- Fixed the WebAPI bug when obtaining the network property information.
- 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 ARFU or RFU.
- The device might freeze during data transmission when conducting Scan to Folder with SMBv2/v3.
- When conducting Scan to Folder in a high-load network environment, the device's status gets stuck on sending and the scanner becomes unusable.
- 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 15.42

Symptom corrected:

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

Version 15.41.1

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v1.12 (D2595552N)

Network Support v15.41.1 (D2595564J)

Web Support v1.06 (D2595560H)

Scanner v01.06 (D2595559H)

animation v1.04 (D2595563F)

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

Version 15.40

Symptom corrected:

- Fixed unnecessary processing affecting hard disk failure and deterioration.

Version 15.39

Symptom corrected:

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

Other Changes:

1. The default value of "Algorithm Signature" has been changed from SHA1-RSA 2048 to SHA256-RSA 2048 when the device creates a new device certificate.
2. Supported for Mopria Print Service.
This firmware is dependent on Printer firmware v1.06(D2595566H) or later, so please be sure to also update that firmware.

Version 15.38

Symptom Corrected:

- Administrator password cannot be changed via telnet.

Version 15.37

Symptom Corrected:

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

Version 15.36

Other Changes:

1. Support for AirPrint.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System/Copy firmware: v1.06 or later (D2595552G)

- Web Support firmware: v1.02 or later (D2595560D)
- Printer firmware: v1.03 or later (D2595566E)
- animation firmware: v1.02 or later (D2595563D)

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

Note: Configurations will not be automatically changed when the firmware is updated. This value will be the default in devices that have Network Support v15.36 installed from mass production.

3. A self-signed certificate is created automatically in devices.

Version 15.35

Other changes:

To avoid a message that warns about the security certificate from being displayed when connected to Web Image Monitor, a self-signed certificate is not created automatically.

Note: A self-signed certificate will not be automatically deleted when the firmware is updated. This change will be the default in devices that have Network Support v15.35 installed from mass production.

Version 15.34

1st Mass production

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*** Basic Information ***
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[Create date] 2018/08/21

[Program Name] Printer

[Version] 1.08

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2595566K

[File Information]

File Name D2595566K.fwu

File Type Module for Service

Size 4.28 MB (4490692 byte)

[File Information]

File Name D2595566K.rfu

File Type Module for Remote Upgrade

Size 4.29 MB (4497664 byte)

[Availability of RFU] Yes

[Production reflection] 2018/08

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

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

[Modification history]

Version 1.07

Rank C

Symptom corrected:

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

Version 1.06

Other Changes:

- Supported for Mopria Print Service.

This firmware is dependent on Network Support firmware v15.39(D2595564G) or later, so please be sure to also update that firmware.

- 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 1.05

Symptom corrected:

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

Version 1.04

Symptom corrected:

- 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.
- When trying to retrieve logging data while printing is suspended, the data might not be completely obtained and the device stall might occur.
- Notifications are not displayed in MFP applications even if key counter management or external charge unit management is enabled.

Version 1.03

Other changes:

- Support for AirPrint.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System/Copy firmware: v1.06 or later (D2595552G)
- Network Support firmware: v15.36 or later (D2595564D)
- Web Support firmware: v1.02 or later (D2595560D)
- animation firmware: v1.02 or later (D2595563D)

Version 1.02

Symptom corrected:

An SC899 error might occur when the Printer application starts up,
which causes the device to stall.

Version 1.01

Symptom corrected:

- Under all of the following conditions, paper is fed from the device trays even though the paper feed tray setting in the driver is set to the bypass tray:
 - The "Tray Setting Priority" of the bypass tray is "Driver/Command".
 - The "Paper Confirmation for Bypass Tray Display" setting is "Display".
 - The "Tray Switching" setting is "On".
- The paper size and paper type set on the device matches to the setting configured on the driver is selected.

Version 1.00

1st Mass production

<<Package>>

Package(ALL) [LEFC1Ba_pk]

D2595575L Ver. 9.00 -> D2595575M Ver. 10.00

<<Separate>>

GWFCU3.8-10(WW) [GW1a_efax_fcu1V]

D3B35599G Ver. 05.00.00 -> D3B35599H Ver. 06.00.00

Engine [LEFC1a_eplot]

D2055500F Ver. 1.05:03 -> D2055500G Ver. 1.06:03

Fax [LEFC1Ba_fax]

D2595557F Ver. 05.00.00 -> D2595557J Ver. 08.00.00

RemoteFax [LEFC1Ba_fax2]

D2595558E Ver. 04.00.00 -> D2595558F Ver. 05.00.00

Network Support [LEFC1Ba_net]

D2595564H Ver. 15.40 -> D2595564M Ver. 15.44

NetworkDocBox [LEFC1Ba_netfile]

D2595562C Ver. 1.01 -> D2595562E Ver. 1.03

Scanner [LEFC1Ba_scn]

D2595559G Ver. 01.05 -> D2595559K Ver. 01.08

Web Support [LEFC1Ba_web]

D2595560G Ver. 1.05 -> D2595560J Ver. 1.07

System/Copy [LEFC1Be_system]

D2595552M Ver. 1.11 -> D2595552S Ver. 1.16

PDF [LEFC1e_prt_PDF]

D2055572 Ver. 1.05

Printer [LEFC1e_printer]

D2595566H Ver. 1.06 -> D2595566J Ver. 1.07

M2a_System [M2a_System]

D2411425C Ver. 1.26 -> D2411425D Ver. 1.27.2

M2a_LegacyUI [M2a_LegacyUI]

D2411427W Ver. 1.19 -> D2411427Y Ver. 1.21

M2a_SmartCopy [M2a_SmartCopy]

D2411454W Ver. 1.24 -> D2411454X Ver. 1.25

M2a_SmartFAX [M2a_SmartFAX]

D2411457S Ver. 1.21 -> D2411457T Ver. 1.22

Application Site [M2a_zoo]

D2411467J Ver. 1.05.01 -> D2411467K Ver. 1.05.02

<<Package>>

package_02 [LEFC1Br_pk1]

D2595581G Ver. 5.00 -> D2595581H Ver. 6.00

<<Separate>>

GWFCU3.8-10(WW) [GW1a_efax_fcu1V]

D3B35599F Ver. 04.00.00 -> D3B35599G Ver. 05.00.00

Fax [LEFC1Ba_fax]

D2595557E Ver. 04.00.00 -> D2595557F Ver. 05.00.00

RemoteFax [LEFC1Ba_fax2]

D2595558D Ver. 03.00.00 -> D2595558E Ver. 04.00.00

Network Support [LEFC1Ba_net]

D2595564F Ver. 15.38 -> D2595564H Ver. 15.40

Scanner [LEFC1Ba_scn]

D2595559E Ver. 01.03 -> D2595559G Ver. 01.05

Web Support [LEFC1Ba_web]

D2595560E Ver. 1.03 -> D2595560G Ver. 1.05

System/Copy [LEFC1Be_system]

D2595552K Ver. 1.09 -> D2595552M Ver. 1.11

Printer [LEFC1e_printer]

D2595566G Ver. 1.05 -> D2595566H Ver. 1.06

PDF [LEFC1e_prt_PDF]

D2055572C Ver. 1.03 -> D2055572D Ver. 1.04

M2a_System [M2a_System]

D2411429 Ver. 1.23 -> D2411429A Ver. 1.24.1

M2a_WFaxInfo [M2a_WFaxInfo]

D2411435D Ver. 1.02 -> D2411435E Ver. 1.03

M2a_SimpleCopy [M2a_SimpleCopy]

D2411443Q Ver. 1.18 -> D2411443R Ver. 1.19

M2a_SimpleScan [M2a_SimpleScan]

D2411444Q Ver. 1.14 -> D2411444R Ver. 1.15

M2a_SimpleFAX [M2a_SimpleFAX]

D2411445N Ver. 1.13 -> D2411445P Ver. 1.14

M2a_PrinterSJob [M2a_PrinterSJob]

D2411446N Ver. 1.72 -> D2411446P Ver. 1.73

M2a_MeidaPrtScn [M2a_MeidaPrtScn]

D2411447Q Ver. 1.17 -> D2411447R Ver. 1.18

M2a_SmartCopy [M2a_SmartCopy]
D2411454T Ver. 1.22.1 -> D2411454V Ver. 1.23

M2a_SmartScan [M2a_SmartScan]
D2411456Q Ver. 1.14.1 -> D2411456R Ver. 1.15

M2a_SmartFAX [M2a_SmartFAX]
D2411457Q Ver. 1.19.1 -> D2411457R Ver. 1.20

Application Site [M2a_zoo]
D2411467H Ver. 1.04.05 -> D2411467J Ver. 1.05.01

M2a_HelpService [M2a_HelpService]
D2411471 Ver. 1.00

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*** Basic Information ***
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[Create date] 2018/11/27

[Program Name] GWFCU3.8-10(WW)

[Version] 07.00.00

[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.] D3B35599J

[File Information]

File Name D3B35599J.fwu

File Type Module for Service

Size 3.94 MB (4129296 byte)

[File Information]

File Name D3B35599J.rfu

File Type Module for Remote Upgrade

Size 3.95 MB (4137216 byte)

[Availability of RFU] Yes

[Production reflection] 2018/12

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*** Note ***
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[Note]

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

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

Rank C

Other changes:

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

[Modification history]

Version 06.00.00

Rank C

Symptom corrected:

- FAX documents cannot be printed when the following set of conditions is met:
 - GWFCU Firmware ver. 04.00.00 or 05.00.00.
 - Memory Lock function is enabled (default: Disabled)
 - A3 or DLT reception is enabled (default: Disabled)
 - Printing of FAX documents onto A3 or DLT sheet fed from the Bypass tray is interrupted by Paper End or a paper jam.

Version 05.00.00

Symptom corrected:

- FAX cannot be sent with the status showing "processing" possibly followed by a SC843-02.
- If the main power switch is turned OFF/ON immediately after receiving a document, the received document is falsely printed even if Store is specified "On" and Print is specified "Off" in the menu below:
[User tools] > [Machine Features] > [Fax Features] >
[Reception Settings] > [Reception File settings]

Version 04.00.00

Symptom corrected:

- Communication error (code: 00-20/22) occurs, if the device is run on V.17 modulation and receives a fax containing many pages.
- 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.
- If SP5-191 is set to 1 and SP1-111-001 bit1 is set to 0, the following symptoms may occur:
 - * The machine reboots and displays SC899.
 - * FAX does not activate when the machine recovers from the Energy Saver mode. 5 minutes after the recovery, SC899 occurs.

Other changes:

- FAX received can be printed manually from the Bypass tray.

Version 03.00.00

Symptom corrected:

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

Version 01.00.00

1st Mass production

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*** Basic Information ***
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[Create date] 2018/11/29

[Program Name] RemoteFax

[Version] 06.00.00

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2595558G

[File Information]

File Name D2595558G.fwu

File Type Module for Service

Size 1.54 MB (1618160 byte)

[File Information]

File Name D2595558G.rfu

File Type Module for Remote Upgrade

Size 1.55 MB (1626368 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

Symptom corrected:

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

[Modification history]

Version 05.00.00

Rank C

Symptom corrected:

- Cannot send, receive, or print the transmitted fax if the sending machine disconnects during IP-FAX transmission.
- A sending error might occur with PC-FAX.

Version 04.00.00

Symptom corrected:

- Cannot receive an IP-Fax(SIP) transmitted from a Canon machine.

Version 03.00.00

Symptom corrected:

SC899 may occur when receiving IP FAX.

Version 02.00.00

Symptom Corrected:

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

Version 01.00.00

1st Mass production

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

[Program Name] NAND FLASH

[Version] Q0310E

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Special Modification

[Release category] Temporary Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2055599

[File Information]

File Name D2055599.fwu

File Type Module for Service

Size 0.20 MB (207556 byte)

[File Information]

File Name D2055599.rfu

File Type Module for Remote Upgrade

Size 0.20 MB (213248 byte)

[Availability of RFU] Yes

[Production reflection] 2017/05

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*** Note ***
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[Note]

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

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

Symptom corrected:

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

Note:

System reset is performed in the following cases.

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

Important:

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

COR-C1 : 1.19 (D2025550X)

COR-C1(SOP): 1.19 (D2015550W)

GRI-C2 : 1.14 (D1965400R)

LEF-C1 : 1.11 (D2595552M)

Z-P2a : 1.02 (M2575735B)

Z-P2b : 1.05 (M2575731D)

[Modification history]

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*** Basic Information ***
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[Create date] 2017/08/24

[Program Name] Engine

[Version] 1.06:03

[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.] D2055500G

[File Information]

File Name D2055500G.fwu

File Type Module for Service

Size 3.50 MB (3670516 byte)

[File Information]

File Name D2055500G.rfu

File Type Module for Remote Upgrade

Size 3.51 MB (3678464 byte)

[Availability of RFU] Yes

[Production reflection] 2017/09

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*** Note ***
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[Note]

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

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*** Modification History ***
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[Modifications made:]
Symptom corrected:
SPs for the Fusing Temperature Display (SP1-106-001/002/003) don't
display the actual fusing temperature.

[Modification history]

Version 1.05:03
Symptom Corrected:
Fusing fails on the second sheet of a copying job.

Version 1.04:03
1st Mass production

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

[Program Name] NetworkDocBox

[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.] D2595562E

[File Information]

File Name D2595562E.fwu

File Type Module for Service

Size 1.97 MB (2069604 byte)

[File Information]

File Name D2595562E.rfu

File Type Module for Remote Upgrade

Size 1.98 MB (2076928 byte)

[Availability of RFU] Yes

[Production reflection] 2018/05

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*** Note ***
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[Note]

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

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

Rank C

Symptom corrected:

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

[Modification history]

Version 1.02

Rank C

Symptom corrected:

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

Version 1.01

Symptom corrected:

1. Under the following conditions, if the device is accessed from a utility, such as SmartDeviceMonitor or Device Manager NX, and the address book on the device is edited, a utility will encounter an error or close unexpectedly:
 - The FCU is not installed.
 - The Fax Connection Unit is disabled.
 - 51 or more users are registered in the address book.
2. When attempting to back up the address book from Device Manager NX, the backup will fail and printer, copy, scan, and fax jobs cannot be conducted.

Version 1.00

1st Mass production