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\*\*\* Basic Information \*\*\*  
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[Create date] 2017/05/18  
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[Program Name] GL/GL2  
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[Version] 7.7.11  
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[PCB No.]  
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[Interchangeability] X / O  
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[Other Firmware Requirements] None  
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[PCB Requirements] None  
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[Software category] Normal Release  
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[Release category] Normal Release  
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[Program category] Firmware  
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Exported to(language) GEN(all)

[Firmware No.] D1245243E

[File Information]

File Name      D1245243E.fwu

File Type      Module for Service

Size           0.40 MB ( 419756 byte )

[File Information]

File Name      D1245243E.rfu

File Type      Module for Remote Upgrade

Size           0.41 MB ( 426240 byte )  
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[Production reflection] 2017/06  
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\*\*\* Note \*\*\*  
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[Note]  
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\*\*\* Important Notes \*\*\*  
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[Important Notes]  
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\*\*\* Modification History \*\*\*  
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[Modifications made:]

Symptom corrected:

- Printing jobs from RPGL may cause the trim line to disappear or appear thinner than expected.

Other changes:

- The correct font name is displayed on the operation panel, WIM, and sample print.

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[Modification history]  
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Version 7.7.10

Specification Change:

Support for the Portuguese orthography.

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Version 7.7.9

Error Correction:

1. In the Current Settings of Color Sample, the "87. Ink Saving" in the RPGL Menu was modified to print.
2. Added support for the following languages in "Print Settings List (RPGL)" in the List/Test Print of Printer Features: French, German, Italian, Spanish, Dutch, Norwegian, Danish, Swedish, Polish, Portuguese, Hungarian, Czech, Finnish, Russian, Greek, Catalan, Brazilian Portuguese

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

MSIS firmware ver.7.80.14 or later

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Version 7.7.7

Symptoms corrected:

The image is cut along the left and right edges if the user sets both the left/right margins in the RPGL print settings.

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Version 7.7.6

1st Mass production



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\*\*\* Basic Information \*\*\*  
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[Create date] 2017/04/04  
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[Program Name] browser  
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[Version] 1.03.0  
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[PCB No.]  
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[Interchangeability] X / O  
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[Other Firmware Requirements] None  
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[PCB Requirements] None  
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[Software category] Normal Release  
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[Release category] Normal Release  
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[Program category] Firmware  
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Exported to(language) GEN(ja,en,gb,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,br,tr,ca)

[Firmware No.] D6245761D

[File Information]

File Name      D6245761D.fwu

File Type      Module for Service

Size           13.77 MB ( 14434012 byte )

[File Information]

File Name      D6245761D.rfu

File Type      Module for Remote Upgrade

Size           13.77 MB ( 14438656 byte )  
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[Production reflection] 2017/04  
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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:]

Other Changes:

- Support for TLS 1.0, TLS 1.1, and TLS 1.2.

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[Modification history]

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Version 1.02.0

Symptom corrected:

- Keyboard response is slow when using the Web Scanner application.
- SC899 may occur when performing Java Script functions.

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Version 1.01.0

Symptom corrected:

1. After trying to view a webpage that is not supported by the browser on the operation panel, it might take approximately one minute before other, supported webpages can be viewed.
2. When connecting via HTTPS to the Ricoh Integrated Cloud Environment by using the browser on the operation panel, some of the icons might not be displayed.
3. When viewing a particular webpage, the following symptoms might occur:
  - When loading a webpage, an SC899 error might occur.
  - If a memory leak occurs when a webpage is loading, a memory error might appear on the operation panel.
  - Text on a webpage might be garbled or might not appear.
  - After a webpage is completely loaded, it might be blank.
  - When viewing the manual from the Ricoh homepage, images appear but text might not be displayed.
  - When the loading of a webpage does not end, the browser icon might continue to flash.
  - If JavaScript is not working properly, then the webpage might not render as expected.

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Version 1.00.0

1st Mass production

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\*\*\* Basic Information \*\*\*  
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[Create date] 2017/10/31  
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[Program Name] OpePanel.EXP  
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[Version] 1.09  
-----

[PCB No.]  
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[Interchangeability] X / O  
-----

[Other Firmware Requirements] None  
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[PCB Requirements] None  
-----

[Software category] Normal Release  
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[Release category] Normal Release  
-----

[Program category] Firmware  
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Exported to(language) USA(en,e)

[Firmware No.] D1241491E

[File Information]

File Name       D1241491E.fwu

File Type       Module for Service

Size            32.00 MB ( 33554936 byte )

[File Information]

File Name       D1241491E.rfu

File Type       Module for Remote Upgrade

Size            32.01 MB ( 33562880 byte )

[Availability of RFU] Yes  
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[Production reflection]  
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\*\*\* Note \*\*\*  
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[Note]  
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\*\*\* Important Notes \*\*\*  
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[Important Notes]  
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\*\*\* Basic Information \*\*\*

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[Create date] 2019/07/22

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[Program Name] Java VM v10 std for eDC

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[Version] 10.28.01

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[PCB No.]

-----

[Interchangeability] X / O

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[Other Firmware Requirements] None

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[PCB Requirements] None

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[Software category] Normal Release

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[Release category] Normal Release

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[Program category] Firmware

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Exported to(language) GEN(all)

[Firmware No.] D1245283B\_edc

[File Information]

File Name      D1245283B\_edc.ifu

File Type      Module for Service

Size            53.42 MB ( 56013796 byte )

[Availability of RFU] No

[Production reflection]

\*\*\* Note \*\*\*

[Note]

\*\*\* Important Notes \*\*\*

[Important Notes]



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### \*\*\* Modification History \*\*\*

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[Modifications made:]

Rank C

Symptom corrected:

- When the amount of file descriptor, used on JavaVM, is 256 or more, a certain print command from the SDK application might cause an error.
- Errors might be occurred by using the Globalscan.
- SDK application might not startup if the Stream Line NX settings changed.

Other changes:

- When using the Stream Line NX ver3 for a certain amount of time, SC899 or "Functional Error. Please restart device" message might be displayed.

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[Modification history]

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Version 10.27.04

Symptom corrected:

- Startup may take a long time and SC998 may occur if Streamline NX and CAP v2 are installed.
- The SDK application icon might not be displayed after recovering from energy saving mode under the following conditions:

- An SDK application is set as a priority function.
- An SDK application is set as a function key.
- SC899-00 may occur if logging in from a keyboard.
- The server certificate for DSDK has been changed to RSA2048/SHA256 for security improvement purposes.
- 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.

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Version 10.26.01

#### Symptom Corrected:

1. After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
2. 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.

### 3. 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.

### 4. The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

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Version 10.25.00

Symptom corrected:

- Sending fax from the document server using IPv4-mapped address may result in an error.

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Version 10.24.01

Symptom corrected:

- Less than 128-bit encryption methods will be prohibited.
- If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires.
- If an ESA application that uses Administrator Authentication Management, User Authentication Management, or Enhanced External Charge Unit Management (e.g. CAP v2, Streamline NX) stops during logout handling, the logout cannot be completed.
- In the case that Streamline NX is installed (with the PKI module),

authentication may not be performed.

- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
- Machine may stall, if scanned from the contact glass with Size Setting disabled.
- SC637 may occur, if the machine is shut down while printing.
- The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.
- If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.

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Version 10.20.05

Symptom corrected:

- In SLNX v2.3.0 or later, the printer accounting method will be changed to match the MFP specifications in SLNX.
- When an ESA application is installed via Remote Install Manager, the heap size may be reset to the default size from the specified size.
- When Java VM is updated via Remote Install Manager, the stack size may be reset to the default size from the specified size.
- If the following is repeated, devices with CAP v2 installed will stall or behave slowly.

Log in to the device --> Switch to energy save mode --> Return from energy save mode

- When an ESA application remains in an offline state such as an ESA application accesses the device HDD or entering SP mode, if the device switches to offline mode (such as when entering UP), the

device may stall.

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Version 10.17.00

Error Correction:

- Minor bug correction

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Version 10.16.05

Fixed:

- If the ESA application is installed, HTTP communication may not be performed correctly.
- Application switching might not be performed when Steamline NX or 3rd vendor application switches the normal application on the operation panel.
- When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen.
- 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.

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Version 10.14.02

Fixed:

- The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed.

- SDK/J summary may not be printed out when 13 or more ESA applications are installed.
- When a maximum custom paper size is specified during scanning in wideformats, the ESA application cannot retrieve the correct value.
- ESA application installation and uninstallation may take longer than expected in specific conditions.
- 4 line LCD devices do not enter Energy Saver Mode after specific operations.
- A Java VM internal process causes a change to the device's configured sleep timing.
- A Java VM remote update causes the device's Heap/Stack Size settings to reset to default values.

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Version 10.13.06

Fixed:

1. The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode.
2. When an ESA application is closed by a user moving to the Home screen, the ESA application continues behaving as if it is displayed on the operation panel. As a result, the user cannot move to other applications because the screen is locked by the ESA application.
3. ESA application name is displayed in Japanese if the device language is not supported by the ESA application.
4. After performing a Java VM remote update process on the device, installed ESA applications show a "Stopped" status and do not restart automatically.
5. 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.

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Version 10.11.02

Initial release

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\*\*\* Basic Information \*\*\*

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[Create date] 2019/07/22

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[Program Name] Java VM v10 std UpdateTool

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[Version] 10.28.01

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[PCB No.]

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[Interchangeability] X / O

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[Other Firmware Requirements] None

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[PCB Requirements] None

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[Software category] Normal Release

-----

[Release category] Normal Release

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[Program category] Firmware

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Exported to(language) GEN(all)

[Firmware No.] D1245283B\_upd



[File Information]

File Name     D1245283B\_upd.exe

File Type     Module for Service

Size          52.65 MB ( 55204022 byte )

Check Sum -8Bit Sum: 7C6F

              -16Bit Sum(Little Endian): D8EE

              -16Bit Sum(Big Endian): 1281

[Availability of RFU] No

[Production reflection]

\*\*\* Note \*\*\*

[Note]

\*\*\* Important Notes \*\*\*

[Important Notes]

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

Rank C

Symptom corrected:

- When the amount of file descriptor, used on JavaVM, is 256 or more,  
a certain print command from the SDK application might cause an error.
- Errors might be occurred by using the Globalscan.
- SDK application might not startup if the Stream Line NX settings changed.

Other changes:

- When using the Stream Line NX ver3 for a certain amount of time,  
SC899 or "Functional Error. Please restart device" message might  
be displayed.

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[Modification history]  
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Version 10.27.04

Symptom corrected:

- Startup may take a long time and SC998 may occur if Streamline NX

and CAP v2 are installed.

- The SDK application icon might not be displayed after recovering from energy saving mode under the following conditions:
  - An SDK application is set as a priority function.
  - An SDK application is set as a function key.
- SC899-00 may occur if logging in from a keyboard.
- The server certificate for DSDK has been changed to RSA2048/SHA256 for security improvement purposes.
- 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.

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Version 10.26.01

Symptom Corrected:

1. After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
2. 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.

3. 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.

4. The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

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Version 10.25.00

Symptom corrected:

- Sending fax from the document server using IPv4-mapped address may result in an error.

-----  
Version 10.24.01

Symptom corrected:

- Less than 128-bit encryption methods will be prohibited.
- If Kerberos authentication is performed with an ESA application (e.g. CAP v2, Streamline NX), the handling cannot time out even if the specified time expires.
- If an ESA application that uses Administrator Authentication Management, User Authentication Management, or Enhanced External

Charge Unit Management (e.g. CAP v2, Streamline NX) stops during logout handling, the logout cannot be completed.

- In the case that Streamline NX is installed (with the PKI module), authentication may not be performed.
- CAP V2 is disabled if switched to Energy Saver mode while CAP V2 starts up after power ON.
- Machine may stall, if scanned from the contact glass with Size Setting disabled.
- SC637 may occur, if the machine is shut down while printing.
- The machine cannot enter Energy Saver Mode after repeatedly entering and recovering from the mode.
- If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.

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Version 10.20.05

Symptom corrected:

- In SLNX v2.3.0 or later, the printer accounting method will be changed to match the MFP specifications in SLNX.
- When an ESA application is installed via Remote Install Manager, the heap size may be reset to the default size from the specified size.
- When Java VM is updated via Remote Install Manager, the stack size may be reset to the default size from the specified size.
- If the following is repeated, devices with CAP v2 installed will stall or behave slowly.

Log in to the device --> Switch to energy save mode --> Return from energy save mode

- When an ESA application remains in an offline state such as an ESA application accesses the device HDD or entering SP mode, if the device switches to offline mode (such as when entering UP), the device may stall.

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#### Version 10.17.00

##### Error Correction:

- Minor bug correction

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#### Version 10.16.05

##### Fixed:

1. If the ESA application is installed, HTTP communication may not be performed correctly.
2. Application switching might not be performed when Steamline NX or 3rd vendor application switches the normal application on the operation panel.
3. When the device display language is Turkish or Catalan, the ESA application icon does not display on the home screen.
4. 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.
5. SC899 may occur when the machine recovered from energy saver mode.
6. An unexpected screen may appear when a device with 9 or more ESA applications installed recovers from energy saver mode.

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## Version 10.14.02

### Fixed:

1. The ESA application shortcut is displayed improperly when 9 or more ESA applications are installed.
2. SDK/J summary may not be printed out when 13 or more ESA applications are installed.
3. When a maximum custom paper size is specified during scanning in wideformats, the ESA application cannot retrieve the correct value.
4. ESA application installation and uninstallation may take longer than expected in specific conditions.
5. 4 line LCD devices do not enter Energy Saver Mode after specific operations.
6. A Java VM internal process causes a change to the device's configured sleep timing.
7. A Java VM remote update causes the device's Heap/Stack Size settings to reset to default values.

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## Version 10.13.06

### Fixed:

1. The User Code Authentication screen may not appear properly after a device with the "Administrator Authentication Management" setting enabled recovers from energy saver mode.
2. When an ESA application is closed by a user moving to the Home screen, the ESA application continues behaving as if it is displayed on the operation panel. As a result, the user cannot move to other applications because the screen is locked by the ESA application.
3. ESA application name is displayed in Japanese if the device

language is not supported by the ESA application.

4. After performing a Java VM remote update process on the device, installed ESA applications show a "Stopped" status and do not restart automatically.
5. 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.
6. SC997 may occur on a device during repeated entries and recoveries from energy saver mode.
7. Unnecessary temporary files remain after the remote installation of ESA applications.
8. The device freezes and displays "Please wait..." on the operation panel when the device receives a print job while in energy saver mode.
9. An application that doesn't have enhanced encryption may be installed to the device even though "Enhanced Encryption Strength" is turned ON to prohibit it.
10. Unable to display the device settings screen or Web Image Monitor because of internal process locks.
11. SC990 may occur when a device with a CAPv2 installation recovers from energy saver mode.
12. SC672-02 may occur when a device with a GlobalScan NX installation recovers from energy saver mode.
13. A Java VM internal processing may result in a failure of the device reboot, SC991 or SDK application stopped.

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Version 10.11.02



Initial release

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

Symptom corrected:

Changed some font names for the RPGL Menu.

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[Modification history]  
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Version 1.07

Other changes:

A password screen is now displayed when the machine is booted up for the first time at installation.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System/Copy firmware v1.04 or later.
- Language firmware v1.07 or later.

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Version 1.05

1st Mass production

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\*\*\* Basic Information \*\*\*  
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[Create date] 2017/10/31  
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[Program Name] OpePanel.EXP  
-----

[Version] 1.09  
-----

[PCB No.]  
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[Interchangeability] X / O  
-----

[Other Firmware Requirements] None  
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[PCB Requirements] None  
-----

[Software category] Normal Release  
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[Release category] Normal Release  
-----

[Program category] Firmware  
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Exported to(language) EUR(gb,f)

[Firmware No.] D1241492E

[File Information]

File Name        D1241492E.fwu

File Type        Module for Service

Size             32.00 MB ( 33554936 byte )

[File Information]

File Name        D1241492E.rfu

File Type        Module for Remote Upgrade

Size             32.01 MB ( 33562880 byte )

[Availability of RFU] Yes  
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[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:]

Symptom corrected:

Changed some font names for the RPGL Menu.

-----  
[Modification history]  
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Version 1.07

Other changes:

A password screen is now displayed when the machine is booted up for the first time at installation.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System/Copy firmware v1.04 or later.
- Language firmware v1.07 or later.

-----  
Version 1.05

1st Mass production

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

[Create date] 2017/10/31  
-----

[Program Name] OpePanel.EXP  
-----

[Version] 1.09  
-----

[PCB No.]  
-----

[Interchangeability] X / O  
-----

[Other Firmware Requirements] None  
-----

[PCB Requirements] None  
-----

[Software category] Normal Release  
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[Release category] Normal Release  
-----

[Program category] Firmware  
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Exported to(language) CHN(gb,sc)

[Firmware No.] D1241494C

[File Information]

File Name       D1241494C-P01.fwu

File Type       Module for Service

Size            32.00 MB ( 33554940 byte )

[File Information]

File Name       D1241494C.rfu

File Type       Module for Remote Upgrade

Size            32.01 MB ( 33562880 byte )

[File Information]

File Name       D1241494C-P02.bin

File Type       Module for Service

Size            32.00 MB ( 33554432 byte )

Check Sum -8Bit Sum: 5BEF

                -16Bit Sum(Little Endian): 136A

                -16Bit Sum(Big Endian): 3785

[Availability of RFU] Yes  
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[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:]

Symptom corrected:

Changed some font names for the RPGL Menu.

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[Modification history]

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Version 1.07

Other changes:

A password screen is now displayed when the machine is booted up for the first time at installation.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System/Copy firmware v1.04 or later.
  - Language firmware v1.07 or later.
- 

Version 1.05

1st Mass production

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

[Create date] 2017/10/31  
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[Program Name] Language Install  
-----

[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  
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Exported to(language) GEN(ja,en,gb,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,br,tr,ca,gr)

[Firmware No.] D1241499C

[File Information]

File Name      D1241499C.fwu

File Type      Module for Service

Size            18.97 MB ( 19896472 byte )

[Availability of RFU] No  
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[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:]

Symptom corrected:

Changed some font names for the RPGL Menu.

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[Modification history]

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Version 1.08

Specification Change:

- Support for the Portuguese orthography.

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Version 1.07

Other changes:

A password screen is now displayed when the machine is booted up for the first time at installation.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System/Copy firmware v1.04 or later.
- LCDC (OpePanel) firmware v1.07 or later.

-----  
Version 1.06

1st Mass production



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

[Create date] 2019/10/24  
-----

[Program Name] System/Copy  
-----

[Version] 1.11  
-----

[PCB No.]  
-----

[Interchangeability] X / O  
-----

[Other Firmware Requirements] None  
-----

[PCB Requirements] None  
-----

[Software category] Normal Release  
-----

[Release category] Normal Release  
-----

[Program category] Firmware  
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Exported to(language) GEN(all)

[Firmware No.] D1245743M

[File Information]

File Name      D1245743M.fwu

File Type      Module for Service

Size            16.80 MB ( 17619404 byte )

[File Information]

File Name      D1245743M.rfu

File Type      Module for Remote Upgrade

Size            16.81 MB ( 17625344 byte )

[Availability of RFU] Yes  
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[Production reflection] 2019/10  
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\*\*\* Note \*\*\*  
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[Note]  
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\*\*\* Important Notes \*\*\*  
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[Important Notes]  
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\*\*\* Modification History \*\*\*  
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[Modifications made:]

Rank C

Other changes:

- When using the Stream Line NX ver3 for a certain amount of time, SC899 or "Functional Error. Please restart device" message might be displayed.

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[Modification history]

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Version 1.10

Rank C

Other changes:

- Newly added SMBv2/v3 support.
  - This firmware is dependent on the following firmware modules.  
Please be sure to update all of them:
    - System/Copy v1.10 (D1245743L)
    - Network Support v1.99 (D1245747H)
    - Web Support v1.09 (D1245744F)
    - Scanner v01.06 (D1245749C)
- Please refer to the RTB(No.RGene095) for details.

-----  
Version 1.09

Error Correction:

- SC867 may occur if an SDK application is (already) installed on the machine.
- When using a custom authentication that includes SDK authentication, information such as error messages and print volume per user are not displayed on the logon screen of the SDK application.
- If an email sent by scan-to-email is opened in Office 365 cloud mail service, contents of the attached file may falsely appear in the body of the message with the characters corrupted.
- 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 1.08(D1245744E) or later, so please be sure to update it.

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Version 1.08

Specification Change:

- Support for the Portuguese orthography.

Error Correction:

- 36856 error occurs on the PC while performing TWAIN 8-color scanning.
- No communication while creating a preview thumbnail.

-----  
Version 1.07

Error Correction:

Descriptions of the following SP were corrected.

- SP-7-504 Paper Jam Location
- SP-7-505 Original Jam Detection

Current	Revised
-----	-----
SP-7-504-001 At Power On	Initial jam
SP-7-504-002 1st Paper Feed SN: Late	Main scan HP jam
SP-7-504-008 2nd Paper Feed SN: Late	Pre-registration sensor lag jam (Roll Unit 1)
SP-7-504-009 3rd Paper Feed SN: Late	Pre-registration sensor lag jam (Roll Unit 2)
SP-7-504-013 4th Paper Feed SN: Late	DRESS sensor late jam during image registration
SP-7-504-016 2nd Vertical Transport SN: Late	Exit sensor lag jam
SP-7-504-034 3rd Vertical Transport SN: Late	Bypass paper set jam
SP-7-504-041 4th Vertical Transport SN: Late	Main scan printing jam
SP-7-504-053 Relay SN: Late	Paper out (Roll Unit 1)
SP-7-504-054 Registration SN: Late	Paper out (Roll Unit 2)
SP-7-504-058 Fusing Exit SN: Late	Pre-registration sensor lag jam
SP-7-504-063 Exit Unit Entrance SN: Late	DRESS sensor lag jam during image registration
SP-7-504-066 Duplex Transport SN 1: Late	Exit sensor lag jam
SP-7-504-084 Duplex Transport SN 2: Late	Bypass sensor late jam
SP-7-505-001 Duplex Transport SN 3: Late	Initial jam
SP-7-505-002 Duplex Exit SN: Late	Original registration sensor late
SP-7-505-003 1st Paper Feed SN: Lag	Original registration sensor off jam
SP-7-505-004 2nd Paper Feed SN: Lag	Original registration sensor lag jam
SP-7-505-005 LCT Paper Feed SN: Lag	Original exit sensor lag jam
SP-7-505-006 3rd Vertical Transport SN: Lag	Original stop jam
SP-7-505-007 4th Vertical Transport SN: Lag	Original exit late jam
SP-7-505-008 Relay SN: Lag	Next original set jam

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Version 1.05

Symptom corrected:

1. @Remote communication via Embedded RC Gate is suddenly disabled and the machine performs an @Remote certificate rescue.
2. The value of SP5045-02 automatically changes" to "0: Meter" when @Remote connection is established.

SP5045-002

0: meter (default for EU and AP machines)

1: yard

2: feet

3: square meter

4: square yard

5: square feet (default for NA machines)

-----  
Version 1.04

Other changes:

A password screen is now displayed when the machine is booted up for the first time at installation.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- LCDC (OpePanel) firmware v1.07 or later.
- Language firmware v1.07 or later.

-----  
Version 1.03

Specification Change:

- VM: Integration of SDK authentication.

Symptom corrected:

- The machine does not detect a USB storage device inserted into the SD slot.
- The machine stops detecting USB storage devices that support encryption after a USB device that does not support encryption is connected.
- The time correction for Summer Time (Southern Hemisphere) is not applied after the setting is enabled.
- The machine may stall due to a memory leak when Preferences import/export is executed.
- The first item in the Preferences file is not applied after the file is imported.
- SC899 occurs when entering or returning from the energy saving mode.
- Notification of scanner tracking data is not sent out from all machine functions except the Scanner.
- SDK (Type J): The machine does not reboot automatically following an SDK app overwrite even though this setting is selected.

-----  
Version 1.02

Symptom corrected:

Some data is missing when the text version of the SMC report is printed out.

Error Correction:

1. When the SDK is installed, it might not be possible to switch to other functions from the Home screen.
2. When User Authentication or User Code authentication is set, logging on from Web Image Monitor and the operation panel at the same time might fail. If that occurs, pressing the Cancel button on the operation panel will not function properly.

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Version 1.01

Symptoms corrected:

1. With some display languages, the machine stalls when Device Setting Information Export is executed.  
(User Tools => System Settings => Administrator Tools => Device Setting Information Export)
2. Scan to Folder fails when trying to send to Mac OS X 10.7 (Lion) or 10.8 (Mountain Lion).
3. The following alert message is displayed when the user exits User Tools:  
You have exited the features settings screen. Selected function

settings have been cleared. Please re-set the setting.

4. Display error occurs when the user hits the SDK application  
logout key.
5. The following settings are not displayed inside the User Stamp  
settings screen:
  - Stamp Format: 12-40 (pg. 3-7)
  - Stamp Colour: 01-40 (pg. 8-14)
6. Ink is ejected inside the maintenance cap at shutdown.

Other changes:

1. The user is prompted to reload the roll paper while the roll  
paper screen (for paper loading) is displayed.

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Version 1.00.2  
1st Mass production

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

[Create date] 2018/05/30  
-----

[Program Name] Web Support  
-----

[Version] 1.09  
-----

[PCB No.]  
-----

[Interchangeability] X / O  
-----

[Other Firmware Requirements] None  
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[PCB Requirements] None  
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[Software category] Normal Release  
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[Release category] Normal Release  
-----

[Program category] Firmware  
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Exported to(language) GEN(all)

[Firmware No.] D1245744F

[File Information]

File Name      D1245744F.fwu

File Type      Module for Service

Size           5.14 MB ( 5385244 byte )

[File Information]

File Name      D1245744F.rfu

File Type      Module for Remote Upgrade

Size           5.14 MB ( 5390592 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

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System/Copy v1.10 (D1245743L)
- Network Support v1.99 (D1245747H)
- Web Support v1.09 (D1245744F)
- Scanner v01.06 (D1245749C)

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

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[Modification history]  
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Version 1.08

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 v1.09(D1245743K) or later, so please be sure to update it.

-----  
Version 1.07

Other changes:

- Support for the Portuguese orthography.

-----  
Version 1.06

Specification Change:

- VM: Integration of SDK authentication.

-----  
Version 1.05

Symptom Corrected:

The following problems occur in Web Image Monitor when using Windows Internet Explorer 10:

- Cannot select, drag, delete, or move icons in Device Management > Device Home Management > Edit Icons.
- Cannot drag selected items or display or hide items in Device

Management > Address Book > Maintenance > Items Displayed in Address List.

- When adding icons in Device Management > Device Home Management > Edit Icons, the column headings of the table are out of alignment.
- When adding a user in Device Management > Address Book > Address List (Display All Items), the column headings of the table are out of alignment.

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Version 1.04.1

1st Mass production



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

[Create date] 2018/05/29  
-----

[Program Name] Network Support  
-----

[Version] 11.99  
-----

[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.] D1245747H

[File Information]

File Name      D1245747H.fwu

File Type      Module for Service

Size           8.97 MB ( 9408144 byte )

[File Information]

File Name      D1245747H.rfu

File Type      Module for Remote Upgrade

Size           8.98 MB ( 9412864 byte )

[Availability of RFU] Yes  
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[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 the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active", authentication will fail.
- SC819 might occur after updating firmware remotely.

Other changes:

- Newly added SMBv2/v3 support.  
This firmware is dependent on the following firmware modules.  
Please be sure to update all of them:
  - System/Copy v1.10 (D1245743L)
  - Network Support v11.99 (D1245747H)
  - Web Support v1.09 (D1245744F)
  - Scanner v01.06 (D1245749C)Please refer to the RTB(No.RGene095) for details.

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[Modification history]  
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Version 11.98

Other changes:

- 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 11.97

Symptom corrected:

When the display language of the operation panel is set to Catalan, Scan to Folder fails.

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.

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Version 11.96.6

Symptom corrected:

When the device repeatedly goes in and out of Energy Saver Mode while the web browser is running on the operation panel, an SC899

error might occur.

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Version 11.96.5

Symptom corrected:

@Remote communication via Embedded RC Gate is suddenly disabled and the machine performs an @Remote certificate rescue.

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Version 11.96.4

Symptom corrected:

1. Although the LLMNR 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.
2. When DHCP v6 is enabled, turning the power off and then on might cause a memory leak.
3. When simultaneously printing from AppleTalk on a Mac and a protocol other than AppleTalk in Windows, an SC899 error might occur.
4. 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.
5. When DHCP is enabled and the network settings are changed, it might take more than two minutes for the settings to finish updating.

---

Version 11.96.1

Symptom correct:

- When NBT is "OFF", Browse list is not shown if touch the Browse Network button on destination folder of Scan to folder.
- Cannot scan to shared folders in Windows 8 and Windows Server 2012.
- Cannot scan to shared folders in Mac OS X 10.7 or Mac OS X 10.8.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy firmware v1.01 or later

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Version 11.95

1st Mass production

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

[Create date] 2018/05/29  
-----

[Program Name] Scanner  
-----

[Version] 01.06  
-----

[PCB No.]  
-----

[Interchangeability] X / O  
-----

[Other Firmware Requirements] None  
-----

[PCB Requirements] None  
-----

[Software category] Normal Release  
-----

[Release category] Normal Release  
-----

[Program category] Firmware  
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Exported to(language) GEN(all)

[Firmware No.] D1245749C

[File Information]

File Name      D1245749C.fwu

File Type      Module for Service

Size            1.12 MB ( 1176292 byte )

[File Information]

File Name      D1245749C.rfu

File Type      Module for Remote Upgrade

Size            1.13 MB ( 1184000 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

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- System/Copy v1.10 (D1245743L)
- Network Support v11.99 (D1245747H)
- Web Support v1.09 (D1245744F)
- Scanner v01.06 (D1245749C)

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

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[Modification history]  
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Version 01.05

Symptoms corrected:

1. The machine stalls when Device Setting Information Export is executed.  
(User Tools => System Settings => Administrator Tools => Device Setting Information Export)
2. The following alert message is (incorrectly) displayed when the user exits User Tools.  
You have exited the features settings screen. Selected function settings have been cleared. Please re-set the setting.

Other changes:

1. The guidance provided in the Nonstandard Sizes screen (Scanner) has been improved so that the meaning is clear.

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Version 01.04

1st Mass production