```
==========================================================================
*** Basic Information ***
==========================================================================
[Create date] 2017/04/03
--------------------------------------------------------------------------
[Program Name] Printer
--------------------------------------------------------------------------
[Version] 1.11
--------------------------------------------------------------------------
[PCB No.]
--------------------------------------------------------------------------
[Interchangeability] X / O
--------------------------------------------------------------------------
[Other Firmware Requirements] None
--------------------------------------------------------------------------
[PCB Requirements] None
--------------------------------------------------------------------------
[Software category] Normal Release
--------------------------------------------------------------------------
[Release category] Normal Release
--------------------------------------------------------------------------
[Program category] Firmware
--------------------------------------------------------------------------
Exported to(language) GEN(all)
[Firmware No.] D1275793L
[File Information]
 File Name       D1275793L.fwu
 File Type       Module for Service
 Size        3.48 MB ( 3647788 byte )
[File Information]
 File Name       D1275793L.rfu
 File Type       Module for Remote Upgrade
 Size        3.48 MB ( 3653888 byte )
--------------------------------------------------------------------------
[Production reflection] 2017/05
--------------------------------------------------------------------------


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

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

--------------------------------------------------------------------------
```

========================================================================
*** Modification History ***
========================================================================
[Modifications made:]
Symptom corrected:
1. 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.

2. An SC899 error might occur when the RHPP port (port 59100)
   receives specific data.


-----------------------------------------------------------------------

[Modification history]
------------------------------------------
Version 1.10
Other changes:
Support for the Portuguese orthography.


------------------------------------------
Version 1.09
Symptom corrected:
The printer might stall when one of the following is performed:
- Printing without storing jobs that contain exclusions when using the
  "Card Authentication Package V2", "Enhanced Locked Print NX V2",
  "Card Authentication Package Enterprise Server V2", or
  "Enhanced Locked Print NX Flex Server V2" setting.
- Printing a webpage from the browser on the operation panel.

Other changes:
SP5-490-001 (MF Key Card: Job Permit Setting) is now available.
Note: Previously, this SP could only be used on machines sold in Japan.

------------------------------------------
Version 1.08
Symptom corrected:
The Compulsory Security Stamp is not printed under the following
conditions:
- "Compulsory Security Stamp: Printer" is enabled in the
  Administrator Tools of System Settings.
- The printer displays one of the following languages: Simplified
  Chinese, Traditional Chinese, Korean, Thai, Hebrew, Arabic, or
  Turkish. (GFPR#RA13100005)


--------------------------------------

Version 1.07
Symptom corrected:
1. When printing a gzip file, print jobs might be reset. If that
   occurs, the message "Compressed Data Error." will appear on the
   display.
2. The Compulsory Security Stamp either does not print correctly or
   is might be missing from printouts when printing.


------------------------------------------
Version 1.06
Other changes:
Changed: Support for AirPrint.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:
Network Support Firmware v12.27 (D1275791G) or later
PDF v1.01 (D1275798A) or later


------------------------------------------
Version 1.05
Symptom corrected:
1. The operation panel is unable to display UTF-8 characters.
2. The Scheduled Printing function (a Hold Print function) might not
   work with Basic Authentication.


------------------------------------------
Version 1.04
Symptom corrected:
1. If Device Manager NX is used to backup a device that doesn't have
   a hard disk, the device will stall.
2. The UTF-8 "File Names" appear garbled in the Operation
   Panel's "Job Operation" or "Current Job" dialogues.
   If the "Details" button was pressed for one of these jobs, an
   SC991 or SC997 would occur.

------------------------------------------
Version 1.03
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/04/03
----------------------------------------------------------------
[Program Name] PCL
----------------------------------------------------------------
[Version] 1.14
----------------------------------------------------------------
[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.] D1275795L
[File Information]
 File Name       D1275795L.fwu
 File Type       Module for Service
 Size            1.32 MB ( 1383144 byte )
[File Information]
 File Name       D1275795L.rfu
 File Type       Module for Remote Upgrade
 Size            1.32 MB ( 1388800 byte )
----------------------------------------------------------------
[Production reflection] 2017/05
----------------------------------------------------------------


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

----------------------------------------------------------------



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

----------------------------------------------------------------
```

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

[Modifications made:]
Symptom corrected:
1. 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)

2. An SC899 error occurs when using the PCL6 driver to print a PDF
   from the Reader application in Windows 8.1. (GFPR#RA15050002)

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

4. The image quality output from PCL5 data might be poor if the
   image was created by using certain applications, such as RICOH
   ProcessDirector. (GFPR#RE15030034)


---------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1.13
Symptom corrected:
An SC899 error might occur when printing a PCL job which contains
reduce or enlarge image. (GFPR#RE16020028)


-----------------------------------------
Version 1.12
Symptom corrected:
If a raster image is specified in the PCL6 driver to be reduced, be enlarged,
or undergo N-up printing, unexpected white lines might appear in the printout.
(GFPR#RA14080005, GFPR#RA14110005)


-----------------------------------------
Version 1.11
 Symptom corrected:
1. Transparencies might be blacked out of printed pages. (GFPR#RE13040026)
2. Using a bitmap font might result in jobs being cancelled. (GFPR#RE13100030)
3. When printing an N-up PCL6 job by using a printer driver that is for Windows 8
   or a later Windows operating system, some characters are missing.
4. When printing more than 111,600 bytes of a bitmap font-equivalent to a character
   that is larger than 39.62mm x 39.62mm-via a driver, an SC899 might occur.
5. If an image size is big and has been enlarged by using the "Reduce/Enlarge"
   option in the PCL6 driver, unexpected white lines might appear in the printout.
6. When printing a PCL5 host-printing job in which 32,000 or more of the fill
   patterns are specified, the device will stall.
7. If a PCL5 job is printed under certain conditions related to the font header
   information when using host printing, PCL default fonts are used. (GFPR#RE14100009)

----------------------------------------
Version 1.10
Symptom Corrected:
1. PCL jobs with a specified clip range might print unnecessary 1-pixel
   width lines on the printout.
2. If the glyph data of TrueType fonts includes hinting information that
   is on the edge of the frame, an SC899 error might occur. (GFPR#RC14030010)


----------------------------------------
Version 1.09
 Symptom corrected:
1. Specific TrueType fonts that include problematic hinting data
   might cause an SC899 error to occur. (GFPR#RA13030005,
   GFPR#RE14020031, GFPR#RC14020002, GFPR#RA14030001,
   GFPR#RC14030010, GFPR#RC14040001,
   GFPR#RC14040003 ,GFPR#RC14040002, GFPR#RC14040004,
   GFPR#RC14040006,GFPR#RE14040016, GFPR#RC14040007)
2. Text in duplex PCL jobs are shifted and therefore overlap other
   text when the data is subjected to both of the following
   conditions:
   - Specify the frontside of the page by using the <Esc>&a1G
     command when the current page is the backside.
   - The offset command <ESC>&l#U or <ESC>&l#Z is used after the
     drawing command is specified.
   (GFPR#RC13060012, GFPR#RE14010003)

3. When printing PCL5 jobs that include a scalable font, an SC899
   error occurs or the device automatically reboots when fonts have
   exceeded the 256-character limit available for download.
   (GFPR#RE14020003)



----------------------------------------
Version 1.08
Symptom corrected:
1. Error SC899 caused by PCL jobs names (@PJL JOBNAME) that contain
   any number of "%" characters and a banner page.
   (GFPR#RE12090010)
2. When a PCL5 job includes a raster image, the text and images
   might be placed in the wrong position, which would result in an
   unexpected printout. (GFPR#RE13020014, GFPR#RE13070008)
3. Specific TrueType fonts that include problematic hinting data
   might cause an SC899 error to occur. (GFPR#RA13030005)



----------------------------------------
Version 1.07
Symptom corrected:
1. PCL5 jobs containing an "ECS&l0C" command result in an SC899.
   (GFPR#RA12040004, GFPR#RE12050002)
2. Blank Page Print bug resulting in PCL5 overlays stalling (Blank
   Page Print = Off) or the device continually printing blank pages
   until the MFP runs out of paper (Blank Page Print = On).
   (GFPR#RE12050016)

----------------------------------------
Version 1.06
1st Mass production

```
================================================================================
*** Basic Information ***
================================================================================
[Create date] 2017/09/26
--------------------------------------------------------------------------
[Program Name] OpePanel.EXP
--------------------------------------------------------------------------
[Version] 1.24
--------------------------------------------------------------------------
[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) EUR_CHN(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,br,tr,ca,gr)
[Firmware No.] D1271491P
[File Information]
 File Name        D1271491P.fwu
 File Type        Module for Service
 Size            43.63 MB ( 45747424 byte )
[File Information]
 File Name        D1271491P.rfu
 File Type        Module for Remote Upgrade
 Size            43.63 MB ( 45752576 byte )
[Availability of RFU] Yes
--------------------------------------------------------------------------
[Production reflection]
--------------------------------------------------------------------------


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

--------------------------------------------------------------------------


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

--------------------------------------------------------------------------
```

```
================================================================
*** Modification History ***
================================================================
[Modifications made:]
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v3.24 (D1275780Y)
Network Support v12.36.1 (D1275791P)
Web Support v1.13 (D1275787P)
Scanner v01.09 (D1275786H)
OpePanel
- Europe and China model: v1.24 (D1271491P)
- North America, Asia, and Koria model:  v1.04 (D1271498C)

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

------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1.23
Specification Change:
- Support for the Portuguese orthography.

Other changes:
- Added support for adhering to the Lot 6 regulation of the EU in
  European devices.


-----------------------------------------
Version 1.22
Symptom corrected
Slow response of the operation panel.


-----------------------------------------
Version 1.21
Other changes:
1. A login screen is displayed at power ON, which requires the
   Administrator or Supervisor to set a password in cases where this
   password has not been set yet.
2. The touch response of the LCD touch screen has been improved.
3. Supports the Korean display language.
   * Not support the Catalan display language.


-----------------------------------------
Version 1.20

Symptom corrected:
Minor bug correction


----------------------------------------
Version 1.19
Symptom corrected:
1. The [Job List] button appears blank when the display language is
   not set to English.
2. Translation error (Greek only):
   Correct: The data currently inside the machine is not encrypted.
   Incorrect: The data currently inside the machine is encrypted.


----------------------------------------
Version 1.16
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/09/26
----------------------------------------------------------------
[Program Name] OpePanel
----------------------------------------------------------------
[Version] 1.04
----------------------------------------------------------------
[PCB No.]
----------------------------------------------------------------
[Interchangeability] X / O
----------------------------------------------------------------
[Other Firmware Requirements] None
----------------------------------------------------------------
[PCB Requirements] None
----------------------------------------------------------------
[Software category] Normal Release
----------------------------------------------------------------
[Release category] Normal Release
----------------------------------------------------------------
[Program category] Firmware
----------------------------------------------------------------
Exported to(language) USA_ASI_KOR(ja,en,f,e,d,i,nl,s,n,dk,sf,p,pl,h,cz,ru,sc,tc,kr,br,tr,gr)
[Firmware No.] D1271498C
[File Information]
 File Name       D1271498C.fwu
 File Type       Module for Service
 Size          43.70 MB ( 45817716 byte )
[File Information]
 File Name       D1271498C.rfu
 File Type       Module for Remote Upgrade
 Size          43.70 MB ( 45822208 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection]
----------------------------------------------------------------


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

----------------------------------------------------------------


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

----------------------------------------------------------------
```

```
==========================================================================
*** Modification History ***
==========================================================================
[Modifications made:]
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v3.24 (D1275780Y)
Network Support v12.36.1 (D1275791P)
Web Support v1.13 (D1275787P)
Scanner v01.09 (D1275786H)
OpePanel
- Europe and China model: v1.24 (D1271491P)
- North America, Asia, and Koria model:  v1.04 (D1271498C)

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



------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 1.03
Specification Change:
- Support for the Portuguese orthography.

Other changes:
- Added support for adhering to the Lot 6 regulation of the EU in
  European devices.



-----------------------------------------
Version 1.02
Symptom corrected
Slow response of the operation panel.


-----------------------------------------
Version 1.01
Other changes:
Supports the Korean languages
Note: This firmware does not support the Catalan display language
```

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/07/18
----------------------------------------------------------------
[Program Name] System/Copy
----------------------------------------------------------------
[Version] 3.25
----------------------------------------------------------------
[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.] D1275780Z
[File Information]
 File Name        D1275780Z.fwu
 File Type        Module for Service
 Size             18.19 MB ( 19069868 byte )
[File Information]
 File Name        D1275780Z.rfu
 File Type        Module for Remote Upgrade
 Size             18.19 MB ( 19075328 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/07
----------------------------------------------------------------


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

----------------------------------------------------------------


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

----------------------------------------------------------------
```

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

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


------------------------------------------------------------------------
[Modification history]
----------------------------------------
Version 3.24
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 v3.24 (D1275780Y)
Network Support v12.36.1 (D1275791P)
Web Support v1.13 (D1275787P)
Scanner v01.09 (D1275786H)
OpePanel
- Europe and China model: v1.24 (D1271491P)
- North America, Asia, and Koria model:  v1.04 (D1271498C)

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


----------------------------------------
Version 3.23
Symptom corrected:
- The data may be lacked while Base64 decode process.
- 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.
- Received FAX document is not transferred to the folder.

Specification Change:
- Added support for adhering to the Lot 6 regulation of the EU in
  European devices.
- Support for the Portuguese orthography.


----------------------------------------
Version 3.22
Symptom corrected:
1. When the display language of the operation panel is set a
   language other than Japanese, backslashes in an FTP folder path
   in the address book are displayed as Japanese yen symbols.

2. 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.
3. When connecting to an LDAP server, such as Oracle LDAP server, by
   using SSL, the connection might fail.
4. The tracking information for a FAX transmission job is not sent
   to the tracking app.
5. POP mail may not be received, if the mail contains UIDL that does
   not comply with RFC.
6. SC637-01 may occur when a Copy job is initiated from an SDK
   application.
Conditions:
- The user is not registered with the SDK
- Usage restrictions via the optional external counter apply to the SDK


-----------------------------------------
Version 3.21
Symptom Corrected:
1. When a title information is not displayed when an address book is registered
   via RICOH Device Manager NX series.
2. Jam history does not appear on the SMC report when the report is exported to
   an SD card.

Specification Change:
1. Supports IPv6 and DNS communication with @Remote.
IMPORTANT: To apply the above change(s), make sure to install this firmware
           together as a set with the following:
           Network Support firmware v12.33 (D1275791L) or later
2. Authorized EQ information has been supported.

-----------------------------------------
Version 3.20
Other ‚ƒhange‚"
This firmware was modified to support a new IC card reader/writer (PR-700),
as production of the current it (PR-450) was discontinued.



-----------------------------------------
Version 3.19
Symptoms corrected:
- Some customized icons (used by SDK apps) may not appear on the Home screen
  when the machine is woken from Energy Saver mode using an IC card (auto login).

Other changes:
- Support for Korean model


-----------------------------------------
Version 3.18
Symptom corrected:
The following may occur if the operator presses the [OK] or [Cancel]
buttons for the software keyboard two or more times while inside the

Administrator or Supervisor password settings screen.
- Hard keys do not respond.
- The machine does not recover from Sleep mode
- SC816

Scan to E-mail might fail even if the email size is 44,300 KB or
less when the following conditions are met:
- The HDD is not installed.
- "Scanner Features" > "Send Settings" > "Max. E-mail Size" is set to
  "On", and the size is set to 44,301 KB or more.

This firmware is dependent on the following firmware modules.
Please be sure to update all of them:
- Scanner firmware ver.01.08(D1275786G) or later
- WebUapl firmware ver.1.04(D1275788E) or later


-------------------------------------------
Version 3.17
Other changes:
A login screen is displayed at power ON, which requires the
Administrator or Supervisor to set a password in cases where this
password has not been set yet.


-------------------------------------------
Version 3.16
Symptom corrected:
1. The machine stops detecting USB storage devices that support
   encryption after a USB device that does not support encryption is
   connected.
2. The time correction for Summer Time (Southern Hemisphere) is not
   applied after the setting is enabled.
3. All communication between an Embedded RC Gate and the @Remote
   Center is interrupted if a time-out error occurs during SSL
   negotiation.
   Note: Instead of retrying the negotiation, the machine switches
   to Rescue Mode (updating of machine certificates).
   To apply this change, make sure to update to Network Support
   v12.30 (D1275791J) or later.
4. The machine may stall due to a memory leak when Preferences
   import/export is executed.
5. SC878 occurs when the main power is turned on, and the controller
   board cannot boot up normally.
6. The destination for Scan to Folder might not be displayed.
7. Administrators can login via WIM even after the account has been
   locked out.
8. The name of an SDK application may not change to the
   corresponding language after changing the display language.
9. Cannot update the firmware if an RFU (remote firmware update) is
   attempted via the UZ-A1 (FTP) while the engine is in Energy Saver
   mode (reason: the firmware update screen does not appear).
10.The touch screen reacts more slowly if connection to an unknown
   IP address is repeatedly cancelled in the Address Book input

screen.

11. The name of an Address Book entry appears garbled with some
    display languages.
12. The hostname is set to the defined "sysName" in RFC1213.
13. Incorrect settings for the tray paper size and the Sleep Mode
    timer are printed on the UP mode data sheets of the SMC report,
    and some default settings are not printed.
14. Cannot login when attempting to login from the operation panel
    and from WIM at the same time, and the login process cannot be
    cancelled.
15. Cannot switch from the Home screen to another screen after
    switching from an SDK application's screen to the Home screen.

------------------------------------------
Version 3.15
Symptom corrected:
1. FAX documents that contain 100 or more pages are not forwarded to
   the specified folder.
2. If printing a large number of pages job(about 200 pages) by the
   device that doesn't have a hard disk, the device might stall with
   blinking the Data In LED light.

Other changes:
1. Firmware was modified to comply with new BAM regulations.
2. A new SP mode was added:
SP5-305-101 (Auto Off Set - Limit Set)
0: OFF
1: ON (Default)


------------------------------------------
Version 3.14
Other changes:
The layout of the AZERTY keyboard was changed.


------------------------------------------
Version 3.13
Symptom corrected:
1. 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:
   Network Support firmware v12.28(D1275791H) or later
2. Even though the Restrict Use of Destinations (Scanner) setting is
   set to ON, email addresses that are found by an LDAP Search are
   still editable by end-users.
3. When navigating to System Settings > Administrator Tools >
   Address Book Management > New Program, the operation panel screen
   becomes dark and the touchscreen is unresponsive.
4. An incorrect error message is displayed when the operator
   switches from exposure glass to ADF copy mode.
   ("Please set 8 1/2 x 14" or "Please set "8 1/2 x 11").
5. Machine stalls when exporting files from user tools.
6. The mode clear alert message that used to be displayed when the

machine recovered from the off-line status will no longer be
displayed.
7. SC878 may occur when recovering from Energy Saver mode after the
firmware is updated via RFU.
8. Although the "Logout Using Card" function of Card Authentication
Package v2 is turned on, the user cannot log out when he or she
swipes the card.


------------------------------------------
Version 3.12
Symptom corrected:
1. The addition, modification, or deletion of a User Code is not
applied to the tracking application, even though Tracking has
been enabled for User Code Authentication or Basic Authentication.
2. Some data on the SMC report appears as "No string" if the SMC is
printed out in Text mode.
3. The SDK logout notification may be sent out twice.
4. The machine may instruct the user to login as a Machine
Administrator if the user attempts to save or delete a Copier or
Scanner application to/from the Home screen.

Other changes:
SP5-083-001 was newly added.
0: Does not blink (default)
1: Blinks

Note:
- This SP makes it possible to set whether or not the [Check Status]
key blinks when Toner Near End is reached.
- With previous firmware versions, this key always blinked when
Toner Near End was reached.


------------------------------------------
Version 1.09
Fixed:
Use of a fixed network speed will result in loss of connectivity.


------------------------------------------
Version 1.08
Symptom corrected:
The deffirent algorithm signature is selected if it is chaged from
the default value for the device cerificate setting.



------------------------------------------
Version 1.07
Other changes:
1. The Data Overwrite icon is always displayed on the top screen, as
per CC certification compliance requirements.
2. Taiwanese language can be selected in language select mode.



------------------------------------------
Version 1.05

1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/09/26
----------------------------------------------------------------
[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.] D1275786H
[File Information]
 File Name        D1275786H.fwu
 File Type        Module for Service
 Size          1.23 MB ( 1289724 byte )
[File Information]
 File Name        D1275786H.rfu
 File Type        Module for Remote Upgrade
 Size          1.23 MB ( 1294592 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2017/10
----------------------------------------------------------------


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

----------------------------------------------------------------


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

----------------------------------------------------------------
```

```
================================================================================
*** Modification History ***
================================================================================
```
[Modifications made:]
Other changes:
- Newly added SMBv2/v3 support.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:

System/Copy v3.24 (D1275780Y)
Network Support v12.36.1 (D1275791P)
Web Support v1.13 (D1275787P)
Scanner v01.09 (D1275786H)
OpePanel
- Europe and China model: v1.24 (D1271491P)
- North America, Asia, and Koria model:  v1.04 (D1271498C)

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

```
------------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 01.08
Symptom corrected:
Scan to E-mail might fail even if the email size is 44,300 KB or
less when the following conditions are met:
- The HDD is not installed.
- "Scanner Features" > "Send Settings" > "Max. E-mail Size" is set
  to "On", and the size is set to 44,301 KB or more.

This firmware is dependent on the following firmware modules.
Please be sure to update all of them:
- System/Copy firmware v3.18 (D1275780R) or later
- WebUapl firmware v1.04 (D1275788E) or later

```
-----------------------------------------
```
Version 01.07
Symptom corrected:
1. The machine stalls if the user clicks Run Export in the Device
   Setting Information: Export (Memory Storage Device) option of
   Administrator Tools in System Settings in a language environment
   that is not in English or Japanese.
2. When changing the configuration in the Initial Settings screen or
   Web Image Monitor, a message appears, stating that the settings
   for each application's configuration were reset even though the
   appropriate settings were applied.

```
-----------------------------------------
```
Version 01.06

Symptom corrected:
Only the admin is able to add/remove Copier or Scanner icons from
the Home screen using "Program to Home".


----------------------------------------
Version 01.04.1
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/04/08
----------------------------------------------------------------
[Program Name] Web Support
----------------------------------------------------------------
[Version] 1.14
----------------------------------------------------------------
[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.] D1275787Q
[File Information]
 File Name        D1275787Q.fwu
 File Type        Module for Service
 Size             5.39 MB ( 5647588 byte )
[File Information]
 File Name        D1275787Q.rfu
 File Type        Module for Remote Upgrade
 Size             5.39 MB ( 5652736 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/03
----------------------------------------------------------------


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

----------------------------------------------------------------


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

----------------------------------------------------------------


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

===================================================================
[Modifications made:]
Rank C

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


----------------------------------------------------------------------
[Modification history]
----------------------------------------
Version 1.13
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 v3.24 (D1275780Y)
Network Support v12.36.1 (D1275791P)
Web Support v1.13 (D1275787P)
Scanner v01.09 (D1275786H)
OpePanel
- Europe and China model: v1.24 (D1271491P)
- North America, Asia, and Koria model:  v1.04 (D1271498C)

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


----------------------------------------
Version 1.12
Other changes:
1. Added support for adhering to the Lot 6 regulation of the EU in
   European devices.
2. Support for the Portuguese orthography.


----------------------------------------
Version 1.11
Other changes:
- In SLNX v2.3.0 or later, the printer accounting method will be changed to
  match the MFP specifications in SLNX.


----------------------------------------
Version 1.10
Specification Change:
- Support for Korean model


----------------------------------------
Version 1.09
Symptom corrected:
When using the web development tools like Firebug in Web Image
Monitor, users who do not have the authority of editing might even
be able to edit the administrative privileges of each.

----------------------------------------

Version 1.08
Other changes:
Compliance with BAM regulations.


----------------------------------------

Version 1.07
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.


----------------------------------------

Version 1.06
Symptom corrected:
Administrators cannot edit a user's Fax Destination by using the
Wizard Method in the Web Image Monitor.


----------------------------------------

Version 1.05
Symptom corrected:
1. Even using a valid image file, errors occur when an image is
   added to the Home Screen (Device Management > Device Home
   Management > Home Screen Settings > Insert Image).
2. If the device encounters an unrecoverable error, the
   unrecoverable error will not be displayed in WIM.
   WIM will show the device status as "OK".
3. If an SDK is selected as the operation panel's priority function
   (WIM > Configuration > Function Key Allocation/Function Priority
   > Function Priority), the Copier screen will be the operation
   panel's priority function instead of the selected SDK application.


----------------------------------------

Version 1.04
Symptom corrected:
Users that were added to the addressbook by logging in to a device
using Card Authentication Package v2 will not be able to edit their
Home Screen icons.


----------------------------------------

Version 1.03
Symptom corrected:
1. Duplex can be enabled for trays containing paper sizes and paper
   types that are not supported with duplex printing.

2. Giving a user access to an SDK application (via Available
   Functions) results in an immediate error on the web browser.
3. If the "Device Setting Information Export" function fails to
   completely export device settings due to insufficient space on
   the SD card, the next time the function is tried, it will start
   from the point where it failed the previous time and display the
   message "Export completed " afterward.
4. The Auto-logout timer successfully logged users out of WIM, but
   did not show them a message saying that they had been
   automatically logged out. Instead a blank page was shown in the
   browser.
5. Various wording mistakes.


----------------------------------------
Version 1.02
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2019/09/18
----------------------------------------------------------------
[Program Name] Network Support
----------------------------------------------------------------
[Version] 12.38
----------------------------------------------------------------
[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.] D1275791R
[File Information]
 File Name        D1275791R.fwu
 File Type        Module for Service
 Size         8.38 MB ( 8792140 byte )
[File Information]
 File Name        D1275791R.rfu
 File Type        Module for Remote Upgrade
 Size         8.39 MB ( 8798464 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2019/09
----------------------------------------------------------------


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

----------------------------------------------------------------


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

----------------------------------------------------------------


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

=========================================================================
[Modifications made:]
Rank C

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


---------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 12.37
Rank C

Symptom corrected:
- 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.
- 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 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.
- A remote firmware update might fail when the device is busy due to
  a lack of memory.
- There is a probability (1/256) that the SSL connection to the device will fail
  if the connecting component doesn't have a process to retry the SSL connection.
- When the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active",
  authentication will fail.
- When the device is in Energy Saver Mode, if information about the network
  interface for the device is being obtained from the SNMP Manager application,
  nonexistent errors are recorded in the system logs.
- SC819 might occur after updating firmware remotely.

Other changes:
- The default value of "Algorithm Signature" has been changed from SHA1-RSA 2048
  to SHA256-RSA 2048 when the device creates or requests a new device certificate.


-----------------------------------------
Version 12.36.1
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 v3.24 (D1275780Y)

Network Support v12.36.1 (D1275791P)
Web Support v1.13 (D1275787P)
Scanner v01.09 (D1275786H)
OpePanel
- Europe and China model: v1.24 (D1271491P)
- North America, Asia, and Koria model:  v1.04 (D1271498C)

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


----------------------------------------
Version 12.35
Other Changes:
- Added support for adhering to the Lot 6 regulation of the EU in
  European devices.


----------------------------------------
Version 12.34
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 12.33
Other changes:
Supports IPv6 and DNS communication with @Remote.

IMPORTANT: To apply the above change(s), make sure to install this firmware together
        as a set with the following:
        System/Copy firmware v3.21 (D1275780V) or later

----------------------------------------
Version 12.31
Symptom corrected:
1. When SP5-985-001 is set to "0" (disabled) and SP5-985-002 is set to "1"
   (enabled), an SC997 error might occur if repeatedly switching between
   the home screen and the system settings screen.
2. 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.


----------------------------------------
Version 12.30
Symptom corrected:
1. The following information might be incorrect in the AirPrint
   feature:
   - Black-and-white models or color models
   - Whether it is possible to conduct duplex printing
   - Paper size, large capacity tray, and output tray
   The device might not be able to print the specified "Plain Paper"
   when using the AirPrint function.
2. 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.
3. When DHCP v6 is enabled, turning the power off and then on might
   cause a memory leak.
4. When simultaneously printing from AppleTalk on a Mac and a
   protocol other than AppleTalk in Windows, an SC899 error might
   occur.
5. 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.
6. When DHCP is enabled and the network settings are changed, it
   might take more than two minutes for the settings to finish
   updating.
7. @Remote communication may fail in some customer network
   environments.
   IMPORTANT: To apply the above changes, update to the following
   System/Copy firmware as well:
   System/Copy v3.16 (D1275780P) or later


-----------------------------------------
Version 12.28
Symptom corrected:
1. If "CNAME" is specified as the destination folder, ScanTo Folder
   will abort.
2. When NBT is "OFF", Browse list is not shown if touch the Browse
   Network button on destination folder of Scan to folder.
3. Cannot scan to shared folders in Windows 8 and Windows Server 2012.
4. 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 v3.13(D1275780L) or later
5. Unable to set the Mask Length in Configuration > User
   Authentication Management when the user sets the IPv6 Access
   Control Range as Mask in Configuration > Security > Access
   Control in the Web Image Monitor.
6. SC899 occurs when Wireless card error is detected.


-----------------------------------------
Version 12.27
Symptom corrected:
1. SMB timeout increased to 20 seconds (from 10 seconds).
2. If the device is unable to login to Active Directory (because of
   a bad password for example), it will continue to try logging in
   and the account will eventually be locked. This only occured when
   Kerberos Authentication was being used.
3. Printing the NIB Summary (SP-5-990-007) and/or "System Settings >
   Interface Settings > Print List" multiple times might result in
   an SC819.

Other changes:
Support for AirPrint.
This firmware is dependent on the following firmware modules.
Please be sure to update all of them:
Printer firmware v1.06 (D1275793F) or later
PDF v1.01 (D1275798A) or later

----------------------------------------
Version 12.25.4
Symptom corrected:
1. The MFP will always authenticate users using the Domain Name of
   the device (configured via WIM or User Tools) instead of a domain
   specified when a user enters their username in the format
   user@domain.
2. If the MFP acquires its hostname from DHCP, the NCS daemon's boot
   process will restart. While NCS is restarting, it is unable to
   respond to requests from the printing system to start some of the
   printing-related services (diprint, lpd, usbd, wsprnd...).
3. Fixed: DHCP option 204 has no effect on device settings.


----------------------------------------
Version 12.25.3
Symptom corrected:
1. The device allows users with invalid Windows usernames
   (containing specific combinations of the '@' and 'backslash'
   characters) to authenticate, via Windows Authentication as Guests.
2. Attempting to establish a WPA connection to an SSID consisting of
   exactly 32-bytes might result in an SC899.


----------------------------------------
Version 12.25.2
Symptom corrected:
1. Making successive configuration changes to the device via a WIM
   https connection, while the device is in sleep mode, might result
   in the device hanging up.
2. 802.1x authentication via wired LAN might fail if LEAP is
   selected for the EAP Type setting.
3. Bluetooth Interface Unit Type D unusable.
4. The SSL session might be disconnected by a server which only
   supports DSA authentication. It affected the device in which only
   3DES is selected for Encryption Strength Setting.
5. When the device connects to a switch, SC899 might occur and the
   device might be rebooted. It affected the device that meets all
   of the following conditions:
   - 802.1x authentication is enabled
   - Any EAP type other than LEAP is selected
   - Site Certificate is enabled
6. If the hard disk is not installed, the device might fail 802.1x
   authentication and cannot connect to the network.
7. If the hard disk is not installed, the device cannot create the
   certificate by selecting the SHA512WithRSA4096 algorithm or the
   SHA256WithRSA4096 algorithm.


----------------------------------------
Version 12.21
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2017/11/06
----------------------------------------------------------------
[Program Name] Engine
----------------------------------------------------------------
[Version] 1.04:05
----------------------------------------------------------------
[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.] D1275770D
[File Information]
 File Name       D1275770D.fwu
 File Type       Module for Service
 Size           3.94 MB ( 4129268 byte )
[File Information]
 File Name       D1275770D.rfu
 File Type       Module for Remote Upgrade
 Size           3.95 MB ( 4137216 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2017/12
----------------------------------------------------------------


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

----------------------------------------------------------------


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

----------------------------------------------------------------
```

```
========================================================================
*** Modification History ***
========================================================================
```
[Modifications made:]
Symptom corrected:
- Jam occurs, if the platen cover or the DF top cover is opened/closed
  while the paper feed solenoid is active.
- SC230 error might occur when continuously printing letterhead.


```
---------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 1.03:05
Symptom corrected:
Minor bug correction.

Other changes:
Firmware was modified to comply with new BAM regulations.


```
-----------------------------------------
```
Version 1.02:05
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/10/12
----------------------------------------------------------------
[Program Name] Fax
----------------------------------------------------------------
[Version] 11.00.00
----------------------------------------------------------------
[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.] D1275784N
[File Information]
 File Name       D1275784N.fwu
 File Type       Module for Service
 Size           1.90 MB ( 1988736 byte )
[File Information]
 File Name       D1275784N.rfu
 File Type       Module for Remote Upgrade
 Size           1.90 MB ( 1995008 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/09
----------------------------------------------------------------


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

----------------------------------------------------------------


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

----------------------------------------------------------------


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

```
==============================================================================
```
[Modifications made:]
Rank C

Symptom corrected:
- The fax function might not work if the machine isn't turned off for
  over 300 days after disabling energy saving mode.


```
------------------------------------------------------------------------
```
[Modification history]
```
-----------------------------------------
```
Version 10.00.00
Other changes:
- Added support for adhering to the Lot 6 regulation of the EU in
  European devices.


```
-----------------------------------------
```
Version 09.00.00
Other changes:
- In SLNX v2.3.0 or later, the printer accounting method will be changed to
  match the MFP specifications in SLNX.
  This firmware is dependent on GWFCU3.5-7(WW) firmware v07.00.00 (D6555570J)
  or later, so please be sure to update it.

```
-----------------------------------------
```
Version 08.00.00
Symptom corrected:
- SC899 may occur on the main machine if a Remote FAX is sent from the sub machine.


```
-----------------------------------------
```
Version 07.00.00
Symptom Corrected:
[Simplified display only]: Icons on the Home Screen created by the user to
link with specific programs do not call (link with) those programs correctly.


```
-----------------------------------------
```
Version 06.00.00
Symptom corrected:
Received fax files are not monitored by Auto Document Link and/or
are not displayed using Desk Top Binder if both the Output Mode
Switch Timer setting is enabled and the Reception File
Processing "Store" setting is enabled.

This firmware is dependent on the following firmware module.
Please be sure to update this:
NetworkDocBox (D1275792F) or later


```
-----------------------------------------
```
Version 05.00.00
 Symptom corrected:
1. An unlimited number of notification emails for the communication
   results are sent out under the following conditions:
    - The sending of this notification email to sender has been enabled, and

   - The sender's address or group address to which the sender
    belongs has been selected as a destination for the notification email
2. The FAX function cannot be used after the machine recovers from Energy Saver mode.


----------------------------------------
Version 04.00.00
Symptom corrected:
The FAX function cannot be accessed by pressing the function key or
icon on the Home screen while a FAX-related alert/warning is
displayed.


----------------------------------------
Version 03.00.00
Symptom corrected:
1. "Machine settings have been updated" is displayed on the FAX
   screen whenever the user logs in using Facsimile User
    Authentication.
2. Only TTI1 can be selected when programming the initial settings
   if TTI is set to "By FAX address".


----------------------------------------
Version 02.00.00
Symptom corrected:
1. The FAX screen cannot be accessed using the function key or from
   the Home screen if Facsimile Document Capture is enabled.
2. The red LED stays lit even after a new toner bottle is installed
   following Toner End, or paper is reloaded following Paper End.
3. An error occurs if data is exported using Birdie when the machine
   is in Energy Saver mode.

----------------------------------------
Version 01.03.00
1st Mass production

```
================================================================
*** Basic Information ***
================================================================
[Create date] 2018/10/12
----------------------------------------------------------------
[Program Name] NetworkDocBox
----------------------------------------------------------------
[Version] 2.03
----------------------------------------------------------------
[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.] D1275792G
[File Information]
 File Name        D1275792G.fwu
 File Type        Module for Service
 Size             1.76 MB ( 1848304 byte )
[File Information]
 File Name        D1275792G.rfu
 File Type        Module for Remote Upgrade
 Size             1.77 MB ( 1855744 byte )
[Availability of RFU] Yes
----------------------------------------------------------------
[Production reflection] 2018/09
----------------------------------------------------------------


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

----------------------------------------------------------------


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

----------------------------------------------------------------


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

======================================================================
[Modifications made:]
Rank C

Symptom corrected:
- When the image log capture function is enabled and a large number of jobs are performed,
  the capture cannot be executed and the device will freeze.


------------------------------------------------------------------------------
[Modification history]
-----------------------------------------
Version 2.02
Symptom corrected:
Received fax files are not monitored by Auto Document Link and/or
are not displayed using Desk Top Binder if both the Output Mode
Switch Timer setting is enabled and the Reception File
Processing "Store" setting is enabled.

This firmware is dependent on the following firmware module.
Please be sure to update this:
FAX (D1275784H) or later


-----------------------------------------
Version 2.01
Other changes:
Supports Fax Connection Unit Type C


-----------------------------------------
Version 1.01
Symptom corrected:
If "SmartDeviceMonitor for Admin Accouting Report Package" is used
to clear the device's user counters, the time that the counters were
cleared is not recorded.

Other changes:
The status of the HDD Encryption and Data Overwrite features
(enabled/disabled) can be checked via Web Service and @Remote.



-----------------------------------------
Version 1.00
1st Mass production

==================================================================
===

*** Basic Information ***

==================================================================
===

[Create date] 2019/05/09

------------------------------------------------------------------------

[Program Name] System/Copy

------------------------------------------------------------------------

[Version] 3.28

------------------------------------------------------------------------

[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.] D1275801B

=========================================================================

===

*** Note ***

=========================================================================

===

[Note]

---------------------------------------------------------------------

=========================================================================

===

*** Important Notes ***

=========================================================================

===

[Important Notes]

---------------------------------------------------------------------

===================================================================

===

*** Modification History ***

===================================================================

===

[Modifications made:]

Rank C


Other changes:

- Available usage of file descriptor increased.


---------------------------------------------------------------------

[Modification history]

----------------------------------------

Version 3.27

Rank C


Symptom corrected:

- The email account information for receiving internet faxes is not imported

  or exported.


----------------------------------------

Version 3.26

Rank C

Symptom corrected:

- Printer capture data might not be sent when printing a blank page

  if the capture function is enabled.


Other changes:

- The default setting for symbols and numbers on a Simplified/Traditional Chinese

  soft keyboard has been changed from two-byte characters to one-byte characters.


--------------------------------------

Version 3.25

Rank C


Symptom corrected:

- Kerberos authentication might take time because the TCP timestamp starts

  with a zero.


--------------------------------------

Version 3.24

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 v3.24 (D1275780Y)

Network Support v12.36.1 (D1275791P)

Web Support v1.13 (D1275787P)

Scanner v01.09 (D1275786H)

OpePanel

- Europe and China model: v1.24 (D1271491P)

- North America, Asia, and Koria model:  v1.04 (D1271498C)


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


----------------------------------------

Version 3.23

Symptom corrected:

- The data may be lacked while Base64 decode process.

- 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.

- Received FAX document is not transferred to the folder.


Specification Change:

- Added support for adhering to the Lot 6 regulation of the EU in

  European devices.

- Support for the Portuguese orthography.


----------------------------------------

Version 3.22

Symptom corrected:

1. When the display language of the operation panel is set a

  language other than Japanese, backslashes in an FTP folder path

  in the address book are displayed as Japanese yen symbols.

2. 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.

3. When connecting to an LDAP server, such as Oracle LDAP server, by

using SSL, the connection might fail.

4. The tracking information for a FAX transmission job is not sent

to the tracking app.

5. POP mail may not be received, if the mail contains UIDL that does

not comply with RFC.

6. SC637-01 may occur when a Copy job is initiated from an SDK

application.

Conditions:

- The user is not registered with the SDK

- Usage restrictions via the optional external counter apply to the SDK

----------------------------------------

Version 3.21

Symptom Corrected:

1. When a title information is not displayed when an address book is registered

via RICOH Device Manager NX series.

2. Jam history does not appear on the SMC report when the report is exported to

an SD card.

Specification Change:

1. Supports IPv6 and DNS communication with @Remote.

IMPORTANT: To apply the above change(s), make sure to install this firmware

together as a set with the following:

Network Support firmware v12.33 (D1275791L) or later

2. Authorized EQ information has been supported.

----------------------------------------

Version 3.20

Other c hange s

This firmware was modified to support a new IC card reader/writer (PR-700),

as production of the current it (PR-450) was discontinued.

----------------------------------------

Version 3.19

Symptoms corrected:

- Some customized icons (used by SDK apps) may not appear on the Home screen

  when the machine is woken from Energy Saver mode using an IC card (auto login).

Other changes:

- Support for Korean model

----------------------------------------

Version 3.18

Symptom corrected:

The following may occur if the operator presses the [OK] or [Cancel]

buttons for the software keyboard two or more times while inside the

Administrator or Supervisor password settings screen.

- Hard keys do not respond.

- The machine does not recover from Sleep mode

- SC816

Scan to E-mail might fail even if the email size is 44,300 KB or

less when the following conditions are met:

- The HDD is not installed.

- "Scanner Features" > "Send Settings" > "Max. E-mail Size" is set to

  "On", and the size is set to 44,301 KB or more.


This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

- Scanner firmware ver.01.08(D1275786G) or later

- WebUapl firmware ver.1.04(D1275788E) or later


----------------------------------------

Version 3.17

Other changes:

A login screen is displayed at power ON, which requires the

Administrator or Supervisor to set a password in cases where this

password has not been set yet.


----------------------------------------

Version 3.16

Symptom corrected:

1. The machine stops detecting USB storage devices that support

   encryption after a USB device that does not support encryption is

   connected.

2. The time correction for Summer Time (Southern Hemisphere) is not

   applied after the setting is enabled.

3. All communication between an Embedded RC Gate and the @Remote

Center is interrupted if a time-out error occurs during SSL

negotiation.

Note: Instead of retrying the negotiation, the machine switches

to Rescue Mode (updating of machine certificates).

To apply this change, make sure to update to Network Support

v12.30 (D1275791J) or later.

4. The machine may stall due to a memory leak when Preferences

import/export is executed.

5. SC878 occurs when the main power is turned on, and the controller

board cannot boot up normally.

6. The destination for Scan to Folder might not be displayed.

7. Administrators can login via WIM even after the account has been

locked out.

8. The name of an SDK application may not change to the

corresponding language after changing the display language.

9. Cannot update the firmware if an RFU (remote firmware update) is

attempted via the UZ-A1 (FTP) while the engine is in Energy Saver

mode (reason: the firmware update screen does not appear).

10.The touch screen reacts more slowly if connection to an unknown

IP address is repeatedly cancelled in the Address Book input

screen.

11.The name of an Address Book entry appears garbled with some

display languages.

12.The hostname is set to the defined "sysName" in RFC1213.

13.Incorrect settings for the tray paper size and the Sleep Mode

timer are printed on the UP mode data sheets of the SMC report,

and some default settings are not printed.

14.Cannot login when attempting to login from the operation panel

and from WIM at the same time, and the login process cannot be
cancelled.

15.Cannot switch from the Home screen to another screen after
switching from an SDK application's screen to the Home screen.

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Version 3.15

Symptom corrected:

1. FAX documents that contain 100 or more pages are not forwarded to
the specified folder.

2. If printing a large number of pages job(about 200 pages) by the
device that doesn't have a hard disk, the device might stall with
blinking the Data In LED light.

Other changes:

1. Firmware was modified to comply with new BAM regulations.

2. A new SP mode was added:

SP5-305-101 (Auto Off Set - Limit Set)

0: OFF

1: ON (Default)

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Version 3.14

Other changes:

The layout of the AZERTY keyboard was changed.

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Version 3.13

Symptom corrected:

1. 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:

   Network Support firmware v12.28(D1275791H) or later

2. Even though the Restrict Use of Destinations (Scanner) setting is

   set to ON, email addresses that are found by an LDAP Search are

   still editable by end-users.

3. When navigating to System Settings > Administrator Tools >

   Address Book Management > New Program, the operation panel screen

   becomes dark and the touchscreen is unresponsive.

4. An incorrect error message is displayed when the operator

   switches from exposure glass to ADF copy mode.

   ("Please set 8 1/2 x 14" or "Please set "8 1/2 x 11").

5. Machine stalls when exporting files from user tools.

6. The mode clear alert message that used to be displayed when the

   machine recovered from the off-line status will no longer be

   displayed.

7. SC878 may occur when recovering from Energy Saver mode after the

   firmware is updated via RFU.

8. Although the "Logout Using Card" function of Card Authentication

   Package v2 is turned on, the user cannot log out when he or she

   swipes the card.


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Version 3.12

Symptom corrected:

1. The addition, modification, or deletion of a User Code is not

applied to the tracking application, even though Tracking has

been enabled for User Code Authentication or Basic Authentication.

2. Some data on the SMC report appears as "No string" if the SMC is

printed out in Text mode.

3. The SDK logout notification may be sent out twice.

4. The machine may instruct the user to login as a Machine

Administrator if the user attempts to save or delete a Copier or

Scanner application to/from the Home screen.


Other changes:

SP5-083-001 was newly added.

0: Does not blink (default)

1: Blinks


Note:

- This SP makes it possible to set whether or not the [Check Status]

key blinks when Toner Near End is reached.

- With previous firmware versions, this key always blinked when

Toner Near End was reached.


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Version 1.09

Fixed:

Use of a fixed network speed will result in loss of connectivity.


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Version 1.08

Symptom corrected:

The deffirent algorithm signature is selected if it is chaged from

the default value for the device cerificate setting.

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Version 1.07

Other changes:

1. The Data Overwrite icon is always displayed on the top screen, as

   per CC certification compliance requirements.

2. Taiwanese language can be selected in language select mode.

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Version 1.05

1st Mass production