

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

[Create date] 2019/09/02  
-----

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

[Version] 1.12  
-----

[PCB No.]  
-----

[Interchangeability] X / O  
-----

[Other Firmware Requirements] None  
-----

[PCB Requirements] None  
-----

[Software category] Normal Release  
-----

[Release category] Normal Release  
-----

[Program category] Firmware  
-----

Exported to(language) GEN(all)

[Firmware No.] D0815760N

[File Information]

File Name       D0815760N.fwu

File Type       Module for Service

Size            17.00 MB ( 17821272 byte )

[File Information]

File Name       D0815760N.rfu

File Type       Module for Remote Upgrade

Size            17.00 MB ( 17826048 byte )

[Availability of RFU] Yes  
-----

[Production reflection] 2019/08  
-----

=====  
\*\*\* Note \*\*\*  
=====

[Note]  
-----

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

[Important Notes]  
-----

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

=====  
[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.

-----  
[Modification history]

-----  
Version 1.11

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 v1.11 (D0815760M)
- Network Support v9.68 (D0815767M)
- Web Support v1.05 (D0815775F)
- Scanner v01.07 (D0815787F)

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

-----  
Version 1.10

Symptom corrected:

- SC867 may occur if an SDK application is (already) installed on the machine.

-----  
Version 1.09

Symptom corrected:

[Embedded RC Gate]: @Remote auto calls (Ex. service calls, supply calls, alarm calls) are not sent from the device if engine-related SC errors occur frequently within a short period of time.

-----  
Version 1.08

Symptom corrected:

1. SC899 occurs when the machine recovers from Engine Off Mode.
2. The user is able to edit scanner forwarding addresses that were added after an LDAP search, even though usage restrictions for scanner addresses have been enabled.

-----  
Version 1.07

Symptom corrected:

1. Cannot scan to share folders in Mac OS X 10.7(Lion), 10.8 (Mountain Lion).
2. The login screen for external authentication is displayed again if the user tries to jump to another screen while an alert message (that was triggered during the authentication) is still being displayed.
3. The "Data in" lamp blinks continuously and print jobs are not performed

if the jobs are initiated before the EQ SDK application is booted up,  
and the machine has been set to use a Type EQ external charge device with  
an SDK application.

4. 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.
5. The machine may stall (no response) when a large volume of originals  
are scanned for a Scan to Folder job.

---

#### Version 1.06

Symptom corrected:

1. SC899 occurs when "Startup Setting" (Extended Features) is selected inside WIM.
2. The heap and stack sizes for SDK applications appear at their default values on the SMC,  
even after these settings are changed.
3. A "Home" button appears on the Copier screen after the machine warms up  
(even though there is no function that corresponds to this button).

---

#### Version 1.05.1

Symptom corrected:

1. Printing Booklets or Magazines from the Document Server might  
result in an SC899 or SC990. This occurred if the job contained at  
least one blank page. (GFPR#RC10060008, GFPR#RE11030006, GFPR#RE11040004)
2. The Document Server's Page Numbering function produces numbered,  
but otherwise blank, pages.
3. Repeated failures to login with an IC card will lock the entire  
account instead of just locking out the access of that card (PIN lock).
4. If left for more than 5 minutes on one of the various login-  
related screens, the operation panel might be freeze.
5. The DataOverwriteSecurity Unit causes the hard disk to gradually fill up.

---

#### Version 1.04

Symptom corrected

- (1) If a supply alert unrelated to paper (e.g. related to toner,  
toner collection bottle, fusing unit, etc.) is triggered nine or  
more times while the machine main power is ON, an @Remote  
notification of this alert is not sent.
- (2) Cannot move the HDD Encryption option to another SD card.
- (3) The SP Mode key does not work when pressed during a copy job.

---

#### Version 1.03

Minor bug correction

---

#### Version 1.02

Symptom corrected:

1. The description for Thick Paper 2 as it pertains  
to Trays 1 and 2 was corrected as follows:  
-Incorrect: 170-249g/m<sup>2</sup>  
-Correct: 170-216g/m<sup>2</sup>  
Location of this display: [User Tools] ->

[System Settings] -> [Tray Paper Settings] ->  
[Paper Type: Tray1] or [Paper Type: Tray2]

2. The description for Thick Paper 3 as it pertains  
to Tray 3 was corrected as follows:

-Incorrect: 250-300g/m<sup>2</sup>

-Correct: 250-256g/m<sup>2</sup>

Location of this display: [User Tools] ->

[System Settings] -> [Tray Paper Settings] ->

[Paper Type: Tray3]

3. The A5 (LEF) paper size appears on the display,  
even though this size cannot be fed from Tray 3 on  
the D081/D082.

Location of this display: [User Tools] ->

[System Settings] -> [Tray Paper Settings] ->

[Tray paper size: Tray3]

4. The MFP operation panel might go black and not  
return until the power is cycled. This only occurred  
if User Authentication was enabled or the MFP had a  
Device Accounting Unit such as a coin collector or  
charge card reader.

5. Mixed orientation documents printed from the  
Document Server as Magazines or Booklets, might result  
in the MFP stalling and/or an SC991 and/or an SC687.

-----  
Version 1.01

Symptom Corrected:

Supports use of Color Controller E-7200.

-----  
Version 1.00.1

1st Mass production



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

[Create date] 2018/05/31  
-----

[Program Name] Network Support  
-----

[Version] 9.68  
-----

[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.] D0815767M

[File Information]

File Name       D0815767M.fwu

File Type       Module for Service

Size            7.01 MB ( 7351416 byte )

[File Information]

File Name       D0815767M.rfu

File Type       Module for Remote Upgrade

Size            7.02 MB ( 7356672 byte )

[Availability of RFU] No  
-----

[Production reflection] 2018/06  
-----

=====  
\*\*\* Note \*\*\*  
=====

[Note]  
-----

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

[Important Notes]  
-----

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

[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 v1.11 (D0815760M)
- Network Support v9.68 (D0815767M)
- Web Support v1.05 (D0815775F)
- Scanner v01.07 (D0815787F)

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

-----  
[Modification history]  
-----

Version 9.67

Symptom corrected:

Minor bug correction.

-----  
Version 9.66

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 share folders in Windows 8 and Windows Server 2012.
4. Cannot scan to share folders in Mac OS X 10.7(Lion), 10.8(Mountain Lion).
  - This firmware is dependent on the following firmware modules.
  - Please be sure to update all of them:
  - System/Copy firmware v1.07 (D0815760H) or later.

-----  
Version 9.65

Symptom corrected:

1. SC991 might occur and network functions could not be used. This occurs if DHCP and DDNS are both enabled in the device and if the DHCP server distributes to the device an FQDN that is more than 127 byte in length.
2. Device applications or services that use any of port 80, 443, 7443 or 7444 could not be used. This occurs if the illegal packet is sent after SSL negotiation handshake to any of the device's TCP ports 443, 7443 or 7444. Affected applications include Web Image Monitor, IPP Printing and @Remote.

-----  
Version 9.64

Symptom corrected:

1. Scan to SMB fails if the both of the following conditions are met.
  - Either the device has NBT disabled or it is enabled but the device is unable to resolve the destination's NetBIOS name.
  - One or more octets in the destination's IPv4 address contain leading zeros.
2. If the device's IPP Authentication setting is enabled, the driver cannot be installed on Windows 2008 R2 SP1 or 7 SP1 using an IPP port.

-----  
Version 9.63

Symptom corrected:

1. The MFP icon might not be shown in the Windows "Network" dialogue if SSDP is enabled. This affected Windows Vista, 2008/R2, and 7.
2. The device might lose network connectivity if SSDP is enabled. Network connectivity could be temporarily restored after a power cycle.
3. Use of an IP address to send a Scan to SMB might result in the scanned document not being sent.

-----  
Version 9.62

Symptom corrected:

1. Chunk Transfer Encoding over an IPP port might results in print jobs being reset.
2. If SSDP = Active (Web Image Monitor > Configuration > Network Security), a high load on the CPU might result in the MFP stalling with an SC899 error.
3. MFP with an external controller will lose network connectivity. This only occurred if the network settings were changed repeatedly and the MFP's "NetWare" setting was already "Active" (before the network settings were changed).

-----  
Version 9.61

Symptom corrected:

1. An httpd timeout has been implemented to prevent Web ImageMonitor lockups that sometimes occurred when applications accessed the MFP by http.
2. Scan to SMB fails if the file submitted to the DFS folder in the destination and the file of the same name exist in the DFS folder.
3. If Windows Authentication is enabled, printing a large number of copies of a job might take longer than might typically be expected.

-----  
Version 9.60

Symptom corrected:

1. If "Configuration > Interface Settings > USB" = "Active", an SC899 might occur shortly after powering up the MFP. This problem



- only occurred very infrequently.
2. Under very specific combinations of IP address, Subnet Mask, and Gateway address, some of the MFP's network configuration settings might revert to defaults.
  3. MFPs with an EFI controller cannot be discovered by WSD.
  4. If the MFP/LP has a statically configured IP address and domain, it always sends a HELO using just its hostname. SMTP servers that require client HELOs to include the client's FQDN will close the connection. The result of this was that the MFP/LP was unable to send emails.
  5. Unable to Scan to SMB to Windows 7 or Windows Server 2008 R2 destinations that have Windows Live ID Sign-in assistant installed.
  6. Trying and failing to login to a Scan destination three times might result in the MFP stalling with an SC899 error.
  7. Unable to Scan to SMB to Windows 98/98SE/Me/NT 4.0 destinations specified using an IP address.
  8. Unable to retrieve the Windows group name from a Windows 2008 R2 server during Windows Authentication. Because of this, logged in users will only be granted the "Available Functions" specified for them in the Address book.
  9. The device is unable to assign group privileges to a logged in user if that group has a name consisting of more than 20 bytes. To address this issue, the supported group name length will be increased to 40 bytes.
  10. The MFP's Windows Authentication function is unable to use Kerberos when being authenticated on a Windows 2008 or Windows 2008 R2 server. The MFP will still be successfully authenticated because it is able to fail back to NTLMv2.
  11. After changing the MFP's DNS server address or Domain name, Scan to SMB destinations specified using a hostname might not be found.
  12. The Scan to SMB "Connection Test" fails if performed on directory located directly below a DFS root. Only the "Connection Test" failed, scanning was successful and even the "Connection Test" worked if performed on any sub-directory.
  13. The device might return an SC 819 error when browsing the network using SMB. This only occurred if SMB was browsed frequently and the device was not rebooted.
  14. If the MFP's IP address is changed to an IP address of another subnet, users will not be able to browse the network (using Scan to SMB) until the MFP is rebooted.

Other changes:

1. For security reasons, the device will no longer accept SSL incoming, or establish outgoing, connections that use NULL or ADH ciphers.
2. Unable to Scan to SMB to a destination that is not specified using an FQDN.
3. Unable to Scan to SMB to destinations that are using both LM Authentication and Samba v2.x.
4. The SMB retry function fails to retry the sending of failed SMB transfers (Scan to SMB or Fax delivery).

-----  
SSL-related changes:

Note: The new field will only appear if Web System firmware version 1.02 or later has also been applied to the device.

5. When the device creates a certificate request, it is now able to specify which algorithm (SHA1 or MD5) it wants used to sign the certificate. This has been implemented by adding a field "Algorithm Signature" to the certificate request form.
6. Web Image Monitor now shows the certificate's key length in:
  - Configuration > Security > Device Certificate > Details
7. Specific versions of SSL or TLS (SSLv2, SSLv3, or TLSv1) can now be enabled/disabled using Web Image Monitor. The setting can be configured from either of the following locations:
  - Configuration > Security > Network Security
  - Configuration > Security > SSL/TLS
8. The encryption strength used for SSL can now be configured. This can be done using either of the following settings in Web Image Monitor:
  - Configuration > Security > Network Security
  - Configuration > Security > SSL/TLS

- 
9. Windows Authentication fails if the username or password includes lower-case European characters.
  10. The device's SMB timeout was too short (1sec). This caused problems when being used across subnets. For this reason, it has been increased to 10 sec.

---

#### Version 9.53.1

##### Symptom corrected:

1. Unable to Scan to SMB to Windows 7 or Windows Server 2008 R2 destinations that have Windows Live ID Sign-in assistant installed.
2. Unable to Scan to SMB to Windows 98/98SE/Me/NT 4.0 destinations specified using an IP address.
3. Trying and failing to login to a Scan destination three times might result in the MFP stalling with an SC899 error.
4. Unable to Scan to SMB to a destination that is not specified using an FQDN.
5. The SMB retry function fails to retry the sending of failed SMB transfers (Scan to SMB or Fax delivery).
6. Unable to Scan to SMB to destinations that are using both LM Authentication and Samba v2.x.

##### Limitations:

- Scan to Folder destinations located on Windows 7 or Windows Server 2008 R2 cannot be selected by browsing.
- The MFP does not support CIFS, DFS or NTLMv2.

These limitations will not apply to the next version of this firmware.

---

#### Version 9.53

##### Other changes:

1. For security reasons, the device will no longer accept SSL connections that use the NULL or Anonymous Diffie-Hellman ciphers.

-----  
Version 9.52  
1st Mass production

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

[Create date] 2018/05/31  
-----

[Program Name] Web Support  
-----

[Version] 1.05  
-----

[PCB No.]  
-----

[Interchangeability] X / O  
-----

[Other Firmware Requirements] None  
-----

[PCB Requirements] None  
-----

[Software category] Normal Release  
-----

[Release category] Normal Release  
-----

[Program category] Firmware  
-----

Exported to(language) GEN(all)

[Firmware No.] D0815775F

[File Information]

File Name       D0815775F.fwu

File Type       Module for Service

Size            3.91 MB ( 4099480 byte )

[File Information]

File Name       D0815775F.rfu

File Type       Module for Remote Upgrade

Size            3.91 MB ( 4104448 byte )

[Availability of RFU] Yes  
-----

[Production reflection] 2018/06  
-----

=====  
\*\*\* Note \*\*\*  
=====

[Note]  
-----

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

[Important Notes]  
-----

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

[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 v1.11 (D0815760M)
- Network Support v9.68 (D0815767M)
- Web Support v1.05 (D0815775F)
- Scanner v01.07 (D0815787F)

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

-----  
[Modification history]  
-----

Version 1.04

Symptom corrected:

Even if "Restrict Use of Destinations (Scanner)" or "Restrict Adding of User Destinations (Scanner)" is enabled, authenticated users can still see entries other than their own in the Address Book (via Web Image Monitor). This only occurred if "Restrict Use of Destinations (Fax)" and "Restrict Adding of User Destinations (Scanner)" were disabled.

-----  
Version 1.03

Symptom corrected:

1. The following unsupported paper sizes can be configured for Tray 3:

- A5 Portrait
- 5 1/2 x 8 1/2 Portrait
- 170 x 210 mm

2. Web ImageMonitor wording errors in various European languages.

Other changes:

The minimum length that can be input for "Web ImageMonitor > Configuration > Device Settings > Paper > Tray3 > Custom Paper Size > Horizontal" has been raised to 180mm (7.09 inches).

-----  
Version 1.02

SSL-related changes:

Note: The new fields will only appear if Network Support firmware

version 9.60 or later has also been applied to the device.

1. When the device creates a certificate request, it is now able to specify which algorithm (SHA1 or MD5) it wants used to sign the certificate. This has been implemented by adding a field "Algorithm Signature" to the certificate request form.
2. Web Image Monitor now shows the certificate's key length in:
  - Configuration > Security > Device Certificate > Details
3. Specific versions of SSL or TLS (SSLv2, SSLv3, or TLSv1) can now be enabled/disabled using Web Image Monitor. The setting can be configured from either of the following locations:
  - Configuration > Security > Network Security
  - Configuration > Security > SSL/TLS
4. The encryption strength used for SSL can now be configured. This can be done using either of the following settings in Web Image Monitor:
  - Configuration > Security > Network Security
  - Configuration > Security > SSL/TLS

-----  
Version 1.01

Symptom corrected:

The device bitmap shown on the Web Image Monitor top-page is the wrong device.

-----  
Version 1.00.1

1st Mass production

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

[Create date] 2018/05/31  
-----

[Program Name] Scanner  
-----

[Version] 01.07  
-----

[PCB No.]  
-----

[Interchangeability] X / O  
-----

[Other Firmware Requirements] None  
-----

[PCB Requirements] None  
-----

[Software category] Normal Release  
-----

[Release category] Normal Release  
-----

[Program category] Firmware  
-----

Exported to(language) GEN(all)

[Firmware No.] D0815787F

[File Information]

File Name      D0815787F.fwu

File Type      Module for Service

Size           1.30 MB ( 1358536 byte )

[File Information]

File Name      D0815787F.rfu

File Type      Module for Remote Upgrade

Size           1.30 MB ( 1364224 byte )

[Availability of RFU] Yes  
-----

[Production reflection] 2018/06  
-----

=====  
\*\*\* Note \*\*\*  
=====

[Note]  
-----

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

[Important Notes]  
-----

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

[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 v1.11 (D0815760M)
- Network Support v9.68 (D0815767M)
- Web Support v1.05 (D0815775F)
- Scanner v01.07 (D0815787F)

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

-----  
[Modification history]  
-----

Version 01.06

Other changes

Scan to file would not allow the creation of PDF files if the "Master Password" setting was configured but the "Document Password" setting was not. After the fix, Scan to file will now allow the creation of PDF files under these conditions.

This firmware is dependent on the following firmware modules. Please be sure to update all of them:

Network DocBox Ver 1.02 (D0815772B)

Scanner Ver 01.06 (D0815787E)

Web Uapl Ver 1.02 (D0815776C)

-----  
Version 01.05

Symptom corrected:

1. PDF files created by Scan to USB/SD use 128bit RC4 encryption even if configured to use 128bit AES.
2. If a stored file or link to a stored file (Scan to URL) is sent under either of the following conditions, the Job Log will either record an error or not record anything at all:
  - The stored document is delivered via a Scan to Email with 101 or more destinations.
  - The stored document is delivered via Scan to Folder (SMB, FTP, NCP) with more than one destination.
  - More than one stored file (or url) is sent to any number of destinations.

-----  
Version 01.04

Symptom corrected:



The MFP operation panel might go black and not return until the power is cycled. This only occurred if User Authentication was enabled or the MFP had a Device Accounting Unit such as a coin collector or charge card reader.

-----  
Version 01.03  
Symptom Corrected:  
Supports use of Color Controller E-7200.

-----  
Version 01.02  
1st Mass production

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

[Create date] 2019/12/27

-----  
[Program Name] Java VM v7 std for eDC

-----  
[Version] 7.27.00

-----  
[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.] D0815792Q\_edc

[File Information]

File Name       D0815792Q\_edc.ifu

File Type       Module for Service

Size            17.36 MB ( 18205464 byte )

[Availability of RFU] No

-----  
[Production reflection]

=====  
\*\*\* Note \*\*\*  
=====

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Other changes:

- Modification was made for the firmware part number management.

-----  
[Modification history]  
-----

Version 7.26.00

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.
- Max. Email Size for scanner send settings cannot be configure via DMNX.
- Errors might be occurred by using the Globalscan.
- Following actions might cause SC899 if an authentication requiring SDK/J application is activated on the machine, such as Streamline NX and CAP/ELP:
  - Continuously switching between Energy saver mode and Normal operation mode.
  - Frequent plugging and unplugging the USB cable to the operation panel.

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.

-----  
Version 7.23.00

Error corrected

SDK platform may not boot up when next power-on if stopping start process of SDK app

-----  
Version 7.22.00

Fixed:

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.

-----  
Version 7.21.00

Fixed:

1. When tracking is enabled using usage control service, incorrect scanning paper size information is sent from ESA application which is installed on A4 models.
2. Unlock the application switching function might results in "NullPointerException" error.
3. When ESA application sends a FAX job using multibyte character set, the sender is garbled on the recipient device.
4. AES-256 may be used as Kerberos encryption algorithm even though it is not specified.

## Version 7.20.00

### Fixed:

1. More internal resources are consumed than required during internal file open and close operations, such as SDK application installation. This could result in unexpected behavior.
2. Kerberos Authentication is performed multiple times, causing a memory leak.

---

## Version 7.19.02

### Fixed:

1. Kerberos authentication using AES128/AES256 results are slow compared to Kerberos authentication using RC4HMAC.
2. Saved passwords cannot be retrieved properly and causes application authentication failure.
3. SDK application installation infrequently results in the disappearance of a previously installed SDK application if multiple embedded programs are installed.
4. The device's operation panel sometimes freezes when the software keyboard is closed.

---

## Version 7.17.04

### Other changes:

1. A software button was added to the Copier screen, which can be assigned to specific SDK applications.

Note: In order to utilize this change, the SDK application itself must also support this functionality. For details, see the Release Notes for each application.

2. Software Keyboard type was changed for Taiwan model.

---

## Version 7.16.07

\*This module is for Remote Install Manager and updating Java VM.

### Symptom corrected:

1. SDK/J starting logo screen does not change.
2. Vulnerability to the re-negotiation of SSL/TLS.
3. Multi installation to HDD fails for VM card Type-C applications.
4. Other minor bug corrections.

### Other changes:

1. Kerberos certification corresponding to RC4-HMAC code form.
2. VM card Type-C application remote installation.
3. Support for eDC-i1.2.

---

## Version 7.14.03

### Initial release

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

[Create date] 2019/12/27

-----  
[Program Name] Java VM v7 std UpdateTool

-----  
[Version] 7.27.00

-----  
[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.] D0815792Q\_upd

[File Information]

File Name       D0815792Q\_upd.exe

File Type       Module for Service

Size            67.83 MB ( 71120273 byte )

Check Sum -8Bit Sum: 7BF8

                -16Bit Sum(Little Endian): 083E

                -16Bit Sum(Big Endian): 6BBA

[Availability of RFU] No

-----  
[Production reflection]

=====  
\*\*\* Note \*\*\*  
=====

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Other changes:

- Modification was made for the firmware part number management.

-----  
[Modification history]

-----  
Version 7.26.00

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.
- Max. Email Size for scanner send settings cannot be configure via DMNX.
- Errors might be occurred by using the Globalscan.
- Following actions might cause SC899 if an authentication requiring SDK/J application is activated on the machine, such as Streamline NX and CAP/ELP:
  - Continuously switching between Energy saver mode and Normal operation mode.
  - Frequent plugging and unplugging the USB cable to the operation panel.

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.

-----  
Version 7.23.00

Error corrected:

- SDK platform may not boot up when next power-on if stopping start process of SDK app.

-----  
Version 7.22.00

Fixed:

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.

-----  
Version 7.21.00

Fixed:

1. When tracking is enabled using usage control service, incorrect scanning paper size information is sent from ESA application which is installed on A4 models.
2. Unlock the application switching function might results in "NullPointerException" error.
3. When ESA application sends a FAX job using multibyte character set, the sender is garbled on the recipient device.
4. AES-256 may be used as Kerberos encryption algorithm even though it is not specified.

-----  
Version 7.20.00

Fixed:

1. More internal resources are consumed than required during internal file open and close operations, such as SDK application installation. This could result in unexpected behavior.
2. Kerberos Authentication is performed multiple times, causing a memory leak.

-----  
Version 7.19.02

Fixed:

1. Kerberos authentication using AES128/AES256 results are slow compared to Kerberos authentication using RC4HMAC.
2. Saved passwords cannot be retrieved properly and causes application authentication failure.
3. SDK application installation infrequently results in the disappearance of a previously installed SDK application if multiple embedded programs are installed.
4. The device's operation panel sometimes freezes when the software keyboard is closed.

-----  
Version 7.17.04

Other changes:

1. A software button was added to the Copier screen, which can be assigned to specific SDK applications.

Note: In order to utilize this change, the SDK application itself must also support this functionality. For details, see the Release Notes for each application.

2. Software Keyboard type was changed for Taiwan model.

-----  
Version 7.16.07

Symptom corrected:

1. SDK/J starting logo screen does not change.
2. Vulnerability to the re-negotiation of SSL/TLS.
3. Multi installation to HDD fails for VM card Type-C applications.
4. Other minor bug corrections.

Other changes:

1. Kerberos certification corresponding to RC4-HMAC code form.
2. VM card Type-C application remote installation.
3. Support for eDC-i1.2.

-----  
Version 7.14.03

Supported:

Support for eDC-i1.2 and Remote Install Manager V1.1 was added.

Fixed:

1. May not be able to stop the application from the User Tools/Counter/Enquiry screen if an SDK application takes more than 15 seconds to start up.
2. The device may stall if an SDK application takes more than 15 seconds to start up.
3. SC997 can occur if an SDK application takes more than 15 seconds start up.
4. If machine authentication is enabled, pressing the System Settings button on the User Tools/Counter/Enquiry screen has no effect, even when logged in as a machine administrator.
5. If a user was logged in when the On/Off button is used to turn the device off, the "Cannot Logout" message is displayed the next time the On/Off button is used to turn the device on. The message is displayed even though the user has been logged out.
6. The maximum paper size retrieved from the device is larger than the actual maximum scannable/printable size.

Others:

The Java VM v7.xx update tool has been merged into a single download object (self-extracting archive) which can be used for all supported models. A list (list.txt) of supported VM card part nos. is included in the update archive.

-----  
Version 7.09.03

Minor bug correction.

-----  
Version 7.08.02

Symptom corrected:

The sender's name does not appear on the FAX when it is printed out at the receiving end.

Fixed:

1. The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating.

Note: This issue does not affect the device's ability to communicate with the DNS server.

2. Notification for jobs cancelled by the "Print Volume Use Limitation" function were not passed back to the SDK application. This causes the SDK application to incorrectly think that the job completed successfully.

-----  
Version 7.06.04

Symptom Corrected:

1. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data.
2. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long.
3. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur.



4. The USB card reader may stop working if plugged in immediately after being unplugged.

-----  
Version 7.03.09

Symptom Corrected:

1. If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started).
2. Wording errors in the display messages used in the SDK application initial settings screen.
3. Installation fails if the FAT block of the SD card is less than 1024 bytes (1KB).
4. Temporary files stored in the SD card are not deleted after completing a remote installation of the SDK Java Platform.
5. When the two processes listed below occur simultaneously, the MFP might enter Sleep mode.
  - The MFP tries to enter Energy Saver mode.
  - An SDK application (running on the same MFP) tries to prevent the MFP from entering Energy Saver mode.
6. When User Code Authentication is used by a MFP and an SDK application installed on that MFP, users are logged out of the SDK application if the MFP's embedded scanner application's destination registration function ("Prg. Dest." button) is used.