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*** Basic Information ***
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[Create date] 2018/05/10

[Program Name] System/Copy

[Version] 2.10

[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.] D1055730Q

[File Information]

File Name D1055730Q.fwu

File Type Module for Service

Size 16.18 MB (16967284 byte)

[File Information]

File Name D1055730Q.rfu

File Type Module for Remote Upgrade

Size 16.19 MB (16974080 byte)

[Availability of RFU] Yes

[Production reflection] 2018/05

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*** Note ***
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[Note]

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

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

Rank C

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v2.10 (D1055730Q)

Network Support v10.64 (D1055745J)

Web Support v1.02 (D1055740C)

Scanner v01.08 (D1055739D)

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

[Modification history]

Version 2.09

Symptom corrected:

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

Version 2.08

Symptom corrected:

1. [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 2.07

Symptom corrected:

1. The time correction for Summer Time (Southern Hemisphere) is not applied after the setting is enabled.

Version 2.06

Symptom corrected:

- 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 v10.63(D1055745H) or later

- The timer used for the "Access Violation" setting's time interval does not properly compensate for changes to the device timer.

- If "Security Settings for Access Violation" is "On", the following two problems will occur:

1. Users' print volumes are not counted.

2. The "used" and "maximum" print volumes are not displayed on the operation panel.

- If the "External Optional Counter Type" setting (SP-5113-002) is

not equal to '0', the following problems might occur:

1. Print jobs result in the Data-In LED blinking but nothing is output.
 2. Fax jobs are printed successfully but not counted by the counter.
- 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.
 - 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.

Version 2.05

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 2.04

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. 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).

Other changes:

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.

Version 2.03

Minor bug corrected(Japanese model only).

Version 2.02

Other changes:

The analysis component has been added in response to the ADF non detection problem after recovering from Sleep Mode.

Version 2.01

Symptom corrected:

1. If a supply alert unrelated to paper (e.g. related to toner, toner collection bottle, etc.) is triggered nine or more times while the machine main power is ON, an @Remote notification of this alert is not sent.
2. If the Paper End condition occurs while printing out a duplex FAX document, the FAX function "stalls".

Version 2.00

Symptom corrected:

1. Enabling of 'User Code Auth. > Printer > PC Control' results in accounts created automatically upon submission of a job being given no permission to any device functionality.
2. Use of the "Capture Function" (SP5836-001) with the TIFF format (SP5836-081 - SP5836-085) might result in an SC819 or SC899 error.
3. The SP Mode key does not work when pressed during a copy job.

Other changes:

1. Support for the Bluetooth option (USB dongle) has been added.

Version 1.02

Symptom corrected:

The Lanier model name for Asia is missing from the "Maker/Model Name" in SP5-907-001 (Plug & Play).

Version 1.01

Symptom corrected:

1. SC819 occurs when the machine is rebooted after an application is installed via the MFP management server (XG-IM).
2. SC997 may occur when previewing a scanned image.
3. The pressing of a button in very specific types of SDK applications could result in the MFP stalling.
4. Stored jobs (Locked Print, Sample Print, etc.) might not be shown in the operation panel if the DataOverwriteSecurity Unit is installed.
5. After the MFP enters Energy Saver mode, the USB host ports will no longer work until the device is rebooted.

Other changes:

1. A new menu selection ("Proh. Some Services") was added to the @Remote Service menu inside the Extended Security menu.
2. The optional Data Overwrite Security unit (DOSS) can be installed without uninstalling the DOSS unit already installed as standard.
3. The Auto logout timer no longer stops counting while a job is

being processed.

4. If Basic Authentication was enabled and either "Restrict Use of Destination" or "Restrict Adding of User Destinations" were on, users were unable to access the addressbook even to change their own password. After the change, users will be able to change their passwords.
5. The MFP's password policy can now be changed even when an external server is used for authentication.

Version 1.00.2

1st Mass production

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*** Basic Information ***
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[Create date] 2018/05/10

[Program Name] Scanner

[Version] 01.08

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D1055739D

[File Information]

File Name D1055739D.fwu

File Type Module for Service

Size 1.24 MB (1297748 byte)

[File Information]

File Name D1055739D.rfu

File Type Module for Remote Upgrade

Size 1.24 MB (1302784 byte)

[Availability of RFU] Yes

[Production reflection] 2018/05

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*** Note ***
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[Note]

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

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

Rank C

Other changes:

Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v2.10 (D1055730Q)

Network Support v10.64 (D1055745J)

Web Support v1.02 (D1055740C)

Scanner v01.08 (D1055739D)

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

[Modification history]

Version 01.07

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 1.04 (D1055746C)

Scanner Ver 01.07(D1055739C)

Web Uapl Ver 1.03 (D1055741C)

Version 01.06

Minor bug corrected(Japanese model only).

Version 01.05

1st Mass production

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*** Basic Information ***
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[Create date] 2018/05/10

[Program Name] Web Support

[Version] 1.02

[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.] D1055740C

[File Information]

File Name D1055740C.fwu

File Type Module for Service

Size 3.96 MB (4148820 byte)

[File Information]

File Name D1055740C.rfu

File Type Module for Remote Upgrade

Size 3.96 MB (4153600 byte)

[Availability of RFU] No

[Production reflection] 2018/05

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*** Note ***
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[Note]

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

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

Rank C

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v2.10 (D1055730Q)

Network Support v10.64 (D1055745J)

Web Support v1.02 (D1055740C)

Scanner v01.08 (D1055739D)

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

[Modification history]

Version 1.01

Other changes:

1. SSL-related changes:

Note: The new fields will only appear if Network Support firmware version 10.56 or later has also been applied to the device.

1-1. 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.

1-2. Web Image Monitor now shows the certificate's key length in:

- Configuration > Security > Device Certificate > Details

1-3. 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

1-4. 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

2. Users can now change their passwords for Basic Authentication using Web Image Monitor if the following conditions are met:

- Basic Authentication is enabled.

- Either of the following device settings is enabled

- User Tools/Counter > System Settings > Administrator Tools > Extended Security > Restrict Use of Destinations

- User Tools/Counter > System Settings > Administrator Tools >

Extended Security > Restrict Adding of User Destinations

3. Japanese domestic model only: A minor change related to IP-FAX was made.

Version 1.00.1

1st Mass production

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*** Basic Information ***
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[Create date] 2019/11/15

[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.] D1065743M_edc

[File Information]

File Name D1065743M_edc.ifu

File Type Module for Service

Size 17.36 MB (18206436 byte)

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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

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

Rank C

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.

[Modification history]

Version 7.25.01
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 7.18.05

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

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*** Basic Information ***
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[Create date] 2018/05/10

[Program Name] Network Support

[Version] 10.64

[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.] D1055745J

[File Information]

File Name D1055745J.fwu

File Type Module for Service

Size 7.05 MB (7391728 byte)

[File Information]

File Name D1055745J.rfu

File Type Module for Remote Upgrade

Size 7.05 MB (7397632 byte)

[Availability of RFU] No

[Production reflection] 2018/05

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*** Note ***
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[Note]

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

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

Rank C

Other changes:

- Newly added SMBv2/v3 support.

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy v2.10 (D1055730Q)

Network Support v10.64 (D1055745J)

Web Support v1.02 (D1055740C)

Scanner v01.08 (D1055739D)

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

[Modification history]

Version 10.63

Symptom corrected:

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

This firmware is dependent on the following firmware modules.

Please be sure to update all of them:

System/Copy firmware v2.06(D1055730L) or later

Version 10.62

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 10.61

Symptom corrected:

Printer hangs when multiple jobs are submitted in the same session to the printer's lpd from AS/400, HP-UX or Solaris.

Version 10.59

1. Use of an IP address to send a Scan to SMB might result in the scanned document not being sent.(GFPR#RE11100009)
2. 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.
3. 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.
4. Jobs were intermittently cancelled if "LPR Byte Counting Enabled" was unchecked for LPR ports.

Version 10.58

Symptom corrected:

1. 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 10.57

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.

Version 10.56

Other changes:

SSL-related changes:

Note: The new field will only appear if Web Support firmware version 1.01 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
-

5. For security reasons, the device will no longer accept SSL incoming, or establish outgoing, connections that use NULL or ADH ciphers.

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 10.51.2
1st Mass production

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*** Basic Information ***
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[Create date] 2019/11/15

[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.] D1065743M_upd

[File Information]

File Name D1065743M_upd.exe

File Type Module for Service

Size 34.09 MB (35743417 byte)

Check Sum -8Bit Sum: AA5F

 -16Bit Sum(Little Endian): A173

 -16Bit Sum(Big Endian): 67EC

[Availability of RFU] No

[Production reflection]

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*** Note ***
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[Note]

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

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

Rank C

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.

[Modification history]

Version 7.25.01

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 7.18.05

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.