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*** Basic Information ***
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[Create date] 2019/09/24

[Program Name] System/Copy

[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.] D1205530L

[File Information]

File Name D1205530L.fwu

File Type Module for Service

Size 17.64 MB (18499560 byte)

[File Information]

File Name D1205530L.rfu

File Type Module for Remote Upgrade

Size 17.65 MB (18505984 byte)

[Availability of RFU] Yes

[Production reflection] 2019/09

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*** Note ***
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[Note]

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

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

Rank C

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 1.13

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 v1.13 (D1205530K)
- Network Support v10.70 (D1205544F)
- Web Support v1.04 (D1205539D)
- Scanner v01.04 (D1205538D)

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

Version 1.12

Symptom corrected:

- SC867 or SC868 may occur when turning ON the power or recovering from energy saver mode on machines installed with the SDK application.
- Using the network causes improper memory allocation and may result in SC819.

Version 1.11

Symptom Corrected:

SC 817, SC 819, SC 878-03 occur.

Version 1.10

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 1.09

Symptom corrected:

1. The machine freezes if a FAX is received during a Copy job that has been in progress for at least two minutes.

- Note: This can only be cleared by turning the main power OFF/ON.
2. SC819 occurs when an SDK/J application is installed from an administrative server.
 3. The time correction for Summer Time (Southern Hemisphere) is not applied after the setting is enabled.
 4. Cannot export the Debug Log to an SD card.

Version 1.08

Symptom corrected:

- Use of a fixed network speed will result in loss of connectivity.
- 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.
- 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 v10.68(D1205544D) or later

- USB port doesn't work.
- A logged-in user is not logged out when another user touches the card to the reader, on a machine with CAP installed.
- The message below is not displayed after the machine recovers from Sleep mode.

<Warning>

! You have exited the Features settings screen.
Selected function settings have been cleared.
Please re-select the settings.

Version 1.07

Symptom corrected:

1. A "Home" button is displayed on the Copy screen after the machine is booted up (even though no such function exists).
2. SC990 occurs during a remote firmware update (RFU) and no operations can be performed after that.
3. A print job is not printed out (the "Data in" lamp just blinks) if the Type EQ external charge device is enabled and the SDK application that normally uses this device has not yet been opened/booted up.
4. The machine is unable to recognize the user currently logged in via User Authentication when the Access Mitigation setting is enabled.

Note: As a result, the machine cannot count the number of copies made each user (and this information is not displayed on the LCD when copies are being made).

5. 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).

Version 1.06.1

Symptom corrected

1. The up arrow button overlaps with part of the "Update" button on the Firmware Update screen.

Other changes:

2. A software button was added to the Copier screen that allows the user to switch between the Copier and an SDK application.

Note: In order to be used, this new function must also be supported by the SDK application itself. For details, see the Release Notes for each application.

Version 1.05

Symptom corrected:

After the machine recovers from Energy Saver Mode, the external charge device does not charge the user when copies are made.

Version 1.04

1st Mass production

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*** Basic Information ***
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[Create date] 2018/05/08

[Program Name] Scanner

[Version] 01.04

[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) GEN(all)

[Firmware No.] D1205538D

[File Information]

File Name D1205538D.fwu

File Type Module for Service

Size 1.20 MB (1262144 byte)

[File Information]

File Name D1205538D.rfu

File Type Module for Remote Upgrade

Size 1.21 MB (1270016 byte)

[Availability of RFU] Yes

[Production reflection] 2018/04

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*** Note ***
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[Note]

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

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

Rank C

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 v1.13 (D1205530K)
- Network Support v10.70 (D1205544F)
- Web Support v1.04 (D1205539D)
- Scanner v01.04 (D1205538D)

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

[Modification history]

Version 01.03

Symptom corrected:

The message below is not displayed after the machine recovers from Sleep mode.

<Warning>

! You have exited the Features settings screen.

Selected function settings have been cleared.

Please re-select the settings.

Version 01.02

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 (D1205545C)

Scanner Ver 01.02 (D1205538B)

Web Uapl Ver 1.02 (D1205540C)

Version 01.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/05/08

[Program Name] Web Support

[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) GEN(all)

[Firmware No.] D1205539D

[File Information]

File Name D1205539D.fwu

File Type Module for Service

Size 4.01 MB (4199840 byte)

[File Information]

File Name D1205539D.rfu

File Type Module for Remote Upgrade

Size 4.01 MB (4206848 byte)

[Availability of RFU] Yes

[Production reflection] 2018/04

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*** Note ***
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[Note]

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

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

Rank C

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 v1.13 (D1205530K)
- Network Support v10.70 (D1205544F)
- Web Support v1.04 (D1205539D)
- Scanner v01.04 (D1205538D)

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

[Modification history]

Version 1.03

Symptom corrected:

The LDAP fields "Login Name Attribute" and "Unique Attribute" only
allow alpha-numeric characters, not symbols.

Version 1.02

Other changes:

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

Version 1.01

1st Mass production

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*** Basic Information ***
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[Create date] 2018/05/08

[Program Name] Network Support

[Version] 10.70

[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.] D1205544F

[File Information]

File Name D1205544F.fwu

File Type Module for Service

Size 7.14 MB (7488432 byte)

[File Information]

File Name D1205544F.rfu

File Type Module for Remote Upgrade

Size 7.15 MB (7495936 byte)

[Availability of RFU] Yes

[Production reflection] 2018/04

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*** Note ***
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[Note]

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

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

Rank C

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 v1.13 (D1205530K)
- Network Support v10.70 (D1205544F)
- Web Support v1.04 (D1205539D)
- Scanner v01.04 (D1205538D)

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

[Modification history]

Version 10.69

Symptom corrected:

- When simultaneously printing from AppleTalk on a Mac and a protocol other than AppleTalk in Windows, an SC899 error might occur.

Version 10.68

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 v1.08(D1205530E) or later

Version 10.67

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 10.66

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. Jobs were intermittently cancelled if "LPR Byte Counting Enabled" was unchecked for LPR ports.
3. Printer hangs when multiple jobs are submitted in the same session to the printer's lpd from AS/400, HP-UX or Solaris.

Version 10.65

1st Mass production

=====
*** Basic Information ***
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[Create date] 2019/09/19

[Program Name] Java VM v7 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.] D1205565J_edc

[File Information]

File Name D1205565J_edc.ifu

File Type Module for Service

Size 17.36 MB (18207664 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 7.23.00

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 JavaVM.

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 7.15.04

Initial release

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*** Basic Information ***
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[Create date] 2019/09/19

[Program Name] Java VM v7 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.] D1205565J_upd

[File Information]

File Name D1205565J_upd.exe

File Type Module for Service

Size 17.12 MB (17951776 byte)

Check Sum -8Bit Sum: F8B1

 -16Bit Sum(Little Endian): 248A

 -16Bit Sum(Big Endian): 8527

[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 7.23.00

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 JavaVM.

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.

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*** Basic Information ***
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[Create date] 2019/09/19

[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.] D1205566J_edc

[File Information]

File Name D1205566J_edc.ifu

File Type Module for Service

Size 17.36 MB (18207664 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 7.23.00

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 JavaVM.

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 7.15.04

Initial release

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

[Create date] 2019/09/19

[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.] D1205566J_upd

[File Information]

File Name D1205566J_upd.exe

File Type Module for Service

Size 17.12 MB (17951776 byte)

Check Sum -8Bit Sum: F8B1

 -16Bit Sum(Little Endian): 248A

 -16Bit Sum(Big Endian): 8527

[Availability of RFU] No

[Production reflection]

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

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

[Important Notes]

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

[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 7.23.00

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.