

Reissued: 13-Apr-15

Model: Java VM v7 Update Tool	Date: 27-Jul-12	No.: RGene055f
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RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: Java VM v7 Update Tool		Prepared by: E. Hinata	
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release inform

AP-C2.5(D088, D089), AT-C2.5(D086, D087), MD-P2(M075), S-P3(M080, M081), DI-C1.5(D104), V-C3(D081, D082), N-C3(D093, D094), Z-C1(M022, M024, M026, M028), OR-C1(D120,D121, D122), Z-P1(M065, M066), Sh-P1(M020, M021), Sh-MF1(M050)

Version	Model	Type	Program No.	Effective Date
7.24.00	Sh-MF1	Std.	M0525738J_upd	May 2015 production
7.23.00	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800M_upd	December 2014 production
	AP-C2.5, AT-C2.5	Std.	D0895594M_upd	
	DI-C1.5	Std.	D1065743K_upd	
	V-C3	Std.	D0815792N_upd	
	N-C3	Prt.	D5065917K_upd	
	Z-C1	Std.	M0265738L_upd	
	OR-C1	Std.	D1205566H_upd	
	OR-C1	Opt.	D1205565H_upd	
	Z-P1	Std.	M0665738K_upd	
	Sh-P1	Std.	M0215851H_upd	
Sh-MF1	Std.	M0525738H_upd		
7.22.00	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800L_upd	April 2013 production
	AP-C2.5, AT-C2.5	Std.	D0895594L_upd	
	DI-C1.5	Std.	D1065743J_upd	
	V-C3	Std.	D0815792M_upd	
	N-C3	Prt.	D5065917J_upd	
	Z-C1	Std.	M0265738K_upd	
	OR-C1	Std.	D1205566G_upd	
	OR-C1	Opt.	D1205565G_upd	
Z-P1	Std.	M0665738J_upd		

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	Sh-P1	Std.	M0215851G_upd	
	Sh-MF1	Std.	M0525738G_upd	
7.21.00	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800K_upd	January 2013 production
	AP-C2.5, AT-C2.5	Std.	D0895594K_upd	
	DI-C1.5	Std.	D1065743H_upd	
	V-C3	Std.	D0815792L_upd	
	N-C3	Prt.	D5065917H_upd	
	Z-C1	Std.	M0265738J_upd	
	OR-C1	Std.	D1205566F_upd	
	OR-C1	Opt.	D1205565F_upd	
	Z-P1	Std.	M0665738H_upd	
	Sh-P1	Std.	M0215851F_upd	
	Sh-MF1	Std.	M0525738F_upd	
7.20.00	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800J_upd	July 2012 production
	AP-C2.5, AT-C2.5	Std.	D0895594J_upd	
	DI-C1.5	Std.	D1065743G_upd	
	V-C3	Std.	D0815792K_upd	
	N-C3	Prt.	D5065917G_upd	
	Z-C1	Std.	M0265738H_upd	
	OR-C1	Std.	D1205566E_upd	
	OR-C1	Opt.	D1205565E_upd	
	Z-P1	Std.	M0665738G_upd	
	Sh-P1	Std.	M0215851E_upd	
	Sh-MF1	Std.	M0525738E_upd	
7.19.02	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800H_upd	June 2012 production
	V-C3	Std.	D0815792J_upd	
	N-C3	Prt.	D5065917F_upd	
	OR-C1	Std.	D1205566D_upd	
	OR-C1	Opt.	D1205565D_upd	
	Z-P1	Std.	M0665738F_upd	
	Sh-P1	Std.	M0215851D_upd	
7.18.05	AP-C2.5, AT-C2.5	Std.	D0895594H_upd	June 2012 production
	DI-C1.5	Std.	D1065743F_upd	
	Z-C1	Std.	M0265738G_upd	

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Model: Java VM v7 Update Tool		Date: 27-Jul-12	No.: RGene055f	
	Sh-MF1	Std.	M0525738D_upd	
7.17.04	AP-C2.5, AT-C2.5	Std.	D0895594G_upd	February 2012 production
	DI-C1.5	Std.	D1065743E_upd	
	V-C3	Std.	D0815792H_upd	
	Z-C1	Std.	M0265738F_upd	
	OR-C1	Std.	D1205566C_upd	
	OR-C1	Opt.	D1205565C_upd	
	Sh-MF1	Std.	M0525738C_upd	
7.16.07	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800G_upd	November 2011 production
	AP-C2.5, AT-C2.5	Std.	D0895594F_upd	
	DI-C1.5	Std.	D1065743D_upd	
	V-C3	Std.	D0815792G_upd	
	N-C3	Prt.	D5065917E_upd	
	Z-C1	Std.	M0265738E_upd	
	OR-C1	Std.	D1205566B_upd	
	OR-C1	Opt.	D1205565B_upd	
	Z-P1	Std.	M0665738E_upd	
	Sh-P1	Std.	M0215851C_upd	
	Sh-MF1	Std.	M0525738B_upd	

Reissued: 13-Apr-15

Model: Java VM v7 Update Tool	Date: 27-Jul-12	No.: RGene055f
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Version	Modified Points or Symptom Corrected
7.24.00	Symptom corrected: - <i>If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.</i>
7.23.00	Error corrected: SDK platform may not boot up when next power-on if stopping start process of SDK app.
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.
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.
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.
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.
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.
7.17.04	Other changes: 1. A software button was added to the Copier screen, which can be assigned to specific SDK applications.

Reissued: 13-Apr-15

Model: Java VM v7 Update Tool	Date: 27-Jul-12	No.: RGene055f
Version	Modified Points or Symptom Corrected	
	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.	
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.	
7.14 or earlier	Please refer to the separate RTBs for previous version release.	

Reissued: 13-Apr-15

Model: Java VM v7 for eDC	Date: 27-Jul-12	No.: RGene057f
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RTB Reissue

The items in bold italics have been corrected or added.

Subject: Firmware Release Note: Java VM v7 for eDC		Prepared by: E. Hinata	
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v7 for eDC**.

This module is for Remote Install Manager and updating Java VM. Please apply the Program No. corresponding to each model for eDC update.

AP-C2.5(D088, D089), AT-C2.5(D086, D087), MD-P2(M075), S-P3(M080, M081), DI-C1.5(D104), V-C3(D081, D082), N-C3(D093, D094), Z-C1(M022, M024, M026, M028), OR-C1(D120,D121, D122), Z-P1(M065, M066), Sh-P1(M020, M021), Sh-MF1(M050)

Version	Model	Type	Program No.	Effective Date
7.24.00	Sh-MF1	Std.	M0525738J_edc	May 2015 production
7.23.00	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800M_edc	December 2014 production
	AP-C2.5, AT-C2.5	Std.	D0895594M_edc	
	DI-C1.5	Std.	D1065743K_edc	
	V-C3	Std.	D0815792N_edc	
	N-C3	Prt.	D5065917K_edc	
	Z-C1	Std.	M0265738L_edc	
	OR-C1	Std.	D1205566H_edc	
	OR-C1	Opt.	D1205565H_edc	
	Z-P1	Std.	M0665738K_edc	
	Sh-P1	Std.	M0215851H_edc	
Sh-MF1	Std.	M0525738H_edc		
7.22.00	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800L_edc	April 2013 production
	AP-C2.5, AT-C2.5	Std.	D0895594L_edc	
	DI-C1.5	Std.	D1065743J_edc	
	V-C3	Std.	D0815792M_edc	
	N-C3	Prt.	D5065917J_edc	
	Z-C1	Std.	M0265738K_edc	

Reissued: 13-Apr-15

Model: Java VM v7 for eDC	Date: 27-Jul-12	No.: RGene057f
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	OR-C1	Std.	D1205566G_edc	
	OR-C1	Opt.	D1205565G_edc	
	Z-P1	Std.	M0665738J_edc	
	Sh-P1	Std.	M0215851G_edc	
	Sh-MF1	Std.	M0525738G_edc	
7.21.00	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800K_edc	January 2013 production
	AP-C2.5, AT-C2.5	Std.	D0895594K_edc	
	DI-C1.5	Std.	D1065743H_edc	
	V-C3	Std.	D0815792L_edc	
	N-C3	Prt.	D5065917H_edc	
	Z-C1	Std.	M0265738J_edc	
	OR-C1	Std.	D1205566F_edc	
	OR-C1	Opt.	D1205565F_edc	
	Z-P1	Std.	M0665738H_edc	
	Sh-P1	Std.	M0215851F_edc	
	Sh-MF1	Std.	M0525738F_edc	
7.20.00	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800J_edc	July 2012 production
	AP-C2.5, AT-C2.5	Std.	D0895594J_edc	
	DI-C1.5	Std.	D1065743G_edc	
	V-C3	Std.	D0815792K_edc	
	N-C3	Prt.	D5065917G_edc	
	Z-C1	Std.	M0265738H_edc	
	OR-C1	Std.	D1205566E_edc	
	OR-C1	Opt.	D1205565E_edc	
	Z-P1	Std.	M0665738G_edc	
	Sh-P1	Std.	M0215851E_edc	
	Sh-MF1	Std.	M0525738E_edc	
7.19.02	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800H_edc	June 2012 production
	V-C3	Std.	D0815792J_edc	
	N-C3	Prt.	D5065917F_edc	
	OR-C1	Std.	D1205566D_edc	
	OR-C1	Opt.	D1205565D_edc	
	Z-P1	Std.	M0665738F_edc	
	Sh-P1	Std.	M0215851D_edc	

Reissued: 13-Apr-15

Model: Java VM v7 for eDC		Date: 27-Jul-12		No.: RGene057f
7.18.05	AP-C2.5, AT-C2.5	Std.	D0895594H_edc	June 2012 production
	DI-C1.5	Std.	D1065743F_edc	
	Z-C1	Std.	M0265738G_edc	
	Sh-MF1	Std.	M0525738D_edc	
7.17.04	AP-C2.5, AT-C2.5	Std.	D0895594G_edc	February 2012 production
	DI-C1.5	Std.	D1065743E_edc	
	V-C3	Std.	D0815792H_edc	
	Z-C1	Std.	M0265738F_edc	
	OR-C1	Std.	D1205566C_edc	
	OR-C1	Opt.	D1205565C_edc	
	Sh-MF1	Std.	M0525738C_edc	
7.16.07	MD-P2, Sh-P1, S-P3, Z-P1	Opt.	M3855800G_edc	November 2011 production
	AP-C2.5, AT-C2.5	Std.	D0895594F_edc	
	DI-C1.5	Std.	D1065743D_edc	
	V-C3	Std.	D0815792G_edc	
	N-C3	Prt.	D5065917E_edc	
	Z-C1	Std.	M0265738E_edc	
	OR-C1	Std.	D1205566B_edc	
	OR-C1	Opt.	D1205565B_edc	
	Z-P1	Std.	M0665738E_edc	
	Sh-P1	Std.	M0215851C_edc	
	Sh-MF1	Std.	M0525738B_edc	
7.15.04	OR-C1	Std.	D1205566A_edc	November 2011 production
	OR-C1	Opt.	D1205565A_edc	

Reissued: 13-Apr-15

Model: Java VM v7 for eDC	Date: 27-Jul-12	No.: RGene057f
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Version	Modified Points or Symptom Corrected
7.24.00	Symptom corrected: - <i>If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.</i>
7.23.00	Error corrected: SDK platform may not boot up when next power-on if stopping start process of SDK app
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.
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.
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.
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.
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.
7.17.04	Other changes: 1. A software button was added to the Copier screen, which can be assigned to specific SDK applications.

Reissued: 13-Apr-15

Version	Modified Points or Symptom Corrected
	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.
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.
7.15.04	Model OR-C1(D120, D121, D122) was added (Initial release)
7.14 or earlier	Please refer to the separate RTBs for previous version release.

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*** Basic Information ***
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[Create date] 2019/08/30

[Program Name] Java VM v7 std for eDC

[Version] 7.25.01

[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.] M0215851J_edc

[File Information]

File Name M0215851J_edc.ifu

File Type Module for Service

Size 17.17 MB (18005264 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 7.16.07

*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

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.

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*** Basic Information ***
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[Create date] 2019/08/30

[Program Name] Java VM v7 std UpdateTool

[Version] 7.25.01

[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.] M0215851J_upd

[File Information]

File Name M0215851J_upd.exe

File Type Module for Service

Size 33.89 MB (35540202 byte)

Check Sum -8Bit Sum: D611

-16Bit Sum(Little Endian): 519C

-16Bit Sum(Big Endian): 9575

[Availability of RFU] No

[Production reflection]

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*** 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 7.16.07

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.

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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.] M0265738M_edc

[File Information]

File Name M0265738M_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 7.23.00

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

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

[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.] M0265738M_upd

[File Information]

File Name M0265738M_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 7.23.00

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.

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

[Create date] 2019/08/30

[Program Name] Java VM v7 UpdateTool

[Version] 7.25.01

[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.] M3855800N_upd

[File Information]

File Name M3855800N_upd.exe

File Type Module for Service

Size 33.89 MB (35540195 byte)

Check Sum -8Bit Sum: 3B2A

-16Bit Sum(Little Endian): 71BE

-16Bit Sum(Big Endian): F36C

[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 7.16.07

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 7.06.04

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.

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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.] M0525738L_edc

[File Information]

File Name M0525738L_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.

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 7.24.00

Symptom corrected:

- If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.

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.

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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.] M0525738L_upd

[File Information]

File Name M0525738L_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.

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 7.24.00

Symptom corrected:

- If a keystroke reader is connected to the device, SC 899 may occur when the device is returned from energy save mode.

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.

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

[Create date] 2019/08/30

[Program Name] Java VM v7 std for eDC

[Version] 7.25.01

[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.] M0665738L_edc

[File Information]

File Name M0665738L_edc.ifu

File Type Module for Service

Size 17.17 MB (18005264 byte)

[Availability of RFU] No

[Production reflection]

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

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*** 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 7.16.07

*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] 2019/08/30

[Program Name] Java VM v7 std UpdateTool

[Version] 7.25.01

[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.] M0665738L_upd

[File Information]

File Name M0665738L_upd.exe

File Type Module for Service

Size 33.89 MB (35540195 byte)

Check Sum -8Bit Sum: 3B2A

-16Bit Sum(Little Endian): 71BE

-16Bit Sum(Big Endian): F36C

[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 7.16.07

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 7.06.04

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.

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*** Basic Information ***
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[Create date] 2019/08/30

[Program Name] Java VM v7 for eDC

[Version] 7.25.01

[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.] M3855800N_edc

[File Information]

File Name M3855800N_edc.ifu

File Type Module for Service

Size 17.17 MB (18005524 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 ***
=====

[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

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Version 7.16.07

*This module is for Remote Install Manager and updating JavaVM.

Symptom corrected:

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Version 7.14.03

Initial release