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*** Basic Information ***
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[Create date] 2019/11/20

[Program Name] CheetahSystem

[Version] 1.19

[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.] D2621530V

[File Information]

File Name D2621530V.zip

File Type Module for Service

Size 191.27 MB (200559566 byte)

[Availability of RFU] No

[Production reflection] 2019/11

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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:

- If the selected language is different before and after logging onto the Streamline NX, the following symptom might occur. When the machine is rebooted after changing some machine settings, the set language will not be displayed correctly on the logon menu for Streamline NX.
- When the User's Own Customization setting is allowed, normal startup will start, even if the Control Panel Startup Mode is set to "quick".
- Fails to download the Ricoh Streamline NX v3.
- After the package firmware is updated, Cheetah applications and system settings might not be correctly updated if the machine is not power cycled.

[Modification history]

Version 1.18

Rank B

Symptom corrected:

- Cannot login with some specific authentication application during the daylight-saving time.
- Setting the Function Priority remotely with the SmartSDK WebAPI might fail if an application other than the home screen is currently displayed on the operation panel.
- The device with CAP/ELP may not be found via Configuration Tool after system reset of device.
- When user uses the proxy server with SSL decoding function, following phenomenon will be occurred.
 - * Cannot connect to Application Site.
 - * Certificate error occurs when user connect to https site such as RICOH Smart Integration site.
 - * The update might fail with error 235, when the package firmware update is conducted.

Version 1.17

Rank B

Symptom corrected:

- SmartSDK application cannot reply to UDP packet when machine is in Energy Saver Mode.
- When the user interrupts during previewing the scanned document with using Web Browser NX based application and transits to another screen such as the Home screen, the web page is reloaded and user would then need to execute the scan job from the beginning.
- With firmware combination below, the Home button is not displayed, making it impossible to switch between applications.
 - Cheetah System; version 1.30 or older
 - Legacy UI: version 1.23 or newer
- Descriptions might be displayed in English in Smart Integration application, when Brazilian Portuguese is selected.
- Remote config API might not be available when "Machine Management" in the "Administrator Authentication Management" is disabled.
- After returning from Energy Saver mode, when using the shortcut icon to access a site that displays the certificate warning dialog,

the dialog is displayed briefly and Web Browser NX freezes.

Other changes:

- Support for SHA-2 signed applications installation.

Version 1.16

Rank C

Symptom corrected:

- The update of CheetahSystem firmware might not be completed if JavaVM is disabled on the device.
- A Smart Operation Panel application might not be activated during installation from a remote installation tool if JavaVM is not enabled on the device.
- Remote Installation fail issue when the machine is in energy saving mode fixed.
- An update to a Smart Operation Panel application using a remote installation tool might not be completed if JavaVM is not enabled on the device.

Other changes:

- Supported the Remote Panel Operation.
Multiple firmware modules are required to use Remote Panel Operation.
Please refer to GKM Answer ID 251361 for detailed information regarding required firmware.
- Error LED is indicated, and the status in "Check Status" is displayed, for SmartSDK application.
- Supported RICOH SmartSDK v2.60

Version 1.15

Rank C

Symptom corrected:

- Operation panel freezes while updating firmware.
- Installer will crash in situations where updating via Application Site is failed.

Other changes:

- Hybrid applications that were not installed from the Application Site can now be updated or uninstalled from the Application Site.

Version 1.14

Rank C

Symptom corrected:

- System auto reset or auto logout occurs while using external input device (ex. keyboard,mouse).
- The machine does not return from the energy saving mode if the NFC card RW is connected to the operation unit,
- Nothing is displayed on the screen of the operation panel after switching the screen.
- The operation panel does not reboot normally after recovering from the sleep state.
- The center coordinates of the screen might be misaligned even after calibrating with "Touch Screen Adjust".
- Full screen video is not displayed correctly in the Cheetah G2 browser.

- The Smart Device Connector stops working if connected via Bluetooth for an extended period of time.
- The function keys on the banner cannot be pressed until five seconds after login.

Other changes:

- Applications which were not installed via the Application Site can now be updated via the Application Site.
- Automatic update for applications is now available.
- Application updates can be enabled or disabled.
- Notification about new/updated applications can be enabled or disabled.
- Region switching is now restricted.
- Added Application Site support for China and Korea.

Version 1.13
Rank C

Symptom corrected:

- User Information is included in the debug log.
- Login fails if the NDEF (NFC Data Exchange Formation) type of IC card is used for IC card authentication.
- The message, "Unfortunately, Settings2 has stopped", may appear and User Tools cannot be accessed if Cheetah firmware v1.24 or earlier is applied to the SOP with firmware v1.25 or v1.26.
- The message that Settings 2 has stopped may appear when powering on the machine.

Other changes:

- The ICE icon is displayed by default in North American models.
- When installing the Browser NX application from the Application Site, the required firmware can be checked and updated.
- Applications for the web browser can be downloaded from the Application Site.
- When a user with installation authority from the Application Site checks the details page of the new application notification, the notice will not be displayed on the operation panel.
- The period for the automatic update of applications has been extended.
- Added the function to set user usage restrictions for each application.

Version 1.12
Rank C

Symptom corrected:

- A bug of SmartSDK API was fixed.
- Even though user manual site is accessed from the operation panel, log collection tool cannot detect the information.
- Even if FAX function is not installed on the machine, FAX-related sounds can be set.
- The device might not access from the remote tools such as Device Manager NX or GlobalScan NX.
- Printing after a user logs in might cause printing to fail.
- The operation panel may stall at start up or after recovering from the energy saving mode.
- Fixed CVE-2016-3819, CVE-2016-3822, CVE-2016-0718, CVE-2016-3863, CVE-2016-6702, CVE-2016-6703, CVE-2015-1283 and CVE-2012-6702.

- Following symptom may occur when installing software application via SD card:
 - 'Legacy UI' application is uninstalled.
 - The application is not completely installed.
 - Fail to install the application.
- The following issues might occur on the machine when updating the package firmware:
 - Error 22 occurs when updating via ARFU.
 - E228 occurs when updating via SD card.
- Remote installation from device management tool cannot be conducted as long as administrator certification function is invalid.

Other changes:

- Corresponding to Application Site v1.1, the following modifications have been made:
 - When a new or updatable application is available in the Application Site, messages are displayed in the widget and banner on the home screen.
 - When first opening the Application Site, a caution message regarding the proxy settings is displayed.
 - The eDC domain is tied to the region.
 - Applications can be forcibly uninstalled with Screen Service login.
 - Some applications that were not installed from the Application Site can be updated and deleted from the Application Site.
 - Reduced the startup time of the Application Site.
 - Improved the error and troubleshooting messages.
 - The Application Site can switch to either the test server or the production server when connecting to the eDC server.
 - When the Application Site is opened for the second time after turning on the main power, the start-up time is improved by using the cache without reloading the site.
- Support for a new eMMC used in the SOP.
- Trial applications that include restrictions on data availability and/or available models can be installed and have those restrictions controlled.
- Supported RICOH SmartSDK v2.50.
- Supported RICOH SmartSDK v2.40.
- Applications are not uninstalled even if the expiration date of the manifest file has passed.

Version 1.11

Other Changes:

- The energy consumed for shutdown is reduced when quick boot mode is selected.
- A new inspection to verify proper coordinates of the Smart Operation Panel was added in the production line.
- When recovering from low energy mode, the writing frequency on eMMC is minimized.

Symptom Corrected:

- When importing the icon location information, some applications not included in the information might be displayed.
- Smart Device Authentication with Blue Tooth might fail.
- The NFC card is not correctly recognized by the reader.
- The machine might not work properly after rebooting.
- SC998 might occur after recovering from low energy mode.
- If logged-in to SP mode through the operation panel only, pressing the shutdown button does not log out.
- The job information of other users might be shown on the On-Demand Print monitor.
- The "Cannot connect to the machine HDD" error message is displayed when starting the Quick Print Release application.

- The machine might start to reboot if the monitor image becomes blurred.
- When the log-in dialog is not set to be displayed, the SDKJ application icon that is configured to conduct the application-specific authentication is not displayed on the home screen.
- When a device is in Energy Save mode, the device operation panel will show the "Log in" screen after a user swipes an IC card. This issue occurs in the case that Streamline NX v2 or Card Authentication Package v2 is used as the authentication system.
- Fixed CVE-2016-2507, CVE-2016-2508, CVE-2016-3861, and CVE-2016-3862.
- Fixed CVE-2011-3881 and CVE-2014-6041.

Version 1.10

Symptom Corrected:

- When a forced shutdown of the SDK Service process occurs, the application cannot continue operating.

Other Change:

- Corresponding to Application Site v1.1, the following modifications have been made:
 - When first opening the Application Site, a caution message regarding the proxy settings is displayed.
 - When a new or updatable application is available in the Application Site, messages are displayed in the widget and banner on the home screen.
 - The eDC domain is tied to the region.
 - When the Application Site is opened for the second time after turning on the main power, the start-up time is improved by using the cache without reloading the site.
- Supported RICOH SmartSDK v2.40.
- More languages supported for the smart operation panel.

Version 1.09

Symptom corrected:

- Packet communication with external site is initiated at an unexpected timing.
- The count-up function in the Guidance Setting application does not work when turning ON the machine.

Version 1.08

Specification Change:

- "u:ma" reader was added, to avoid warning messages from appearing during maintenance with USB connection.
- When starting up the smart operation panel by itself, the start up can be cancelled by pressing and holding the STOP key.
- [For Taiwan only] Opening the Rimoco QR code application causes a force shutdown of the application.
- More than five languages can be added to the "Change Langs. Widget" on the smart operation panel.
- The following modifications were made in line with the release of Application Site v1.1:

- * Enabled forced uninstallation of application when access to the server fails.
- * The eDC domain is tied to the region.
- * Improved the troubleshooting message that appears when an error occurs.
- * Enabled connection to a test environment in the eDC server.
- * Enabled update/removal of applications obtained from sites other than the Application Site.
- Executing [Device Setting Information: Export (Memory Storage Device)] causes applications such as Legacy, Simple application, etc. to appear on the screen.
- Cannot log in by hovering the NFC card over the card reader.
- The screen may stall when running ARFU.

Error Correction:

- SOP may unexpectedly reboot while entering sleep mode and may also be followed by SC819/SC672.
- Inserting an SD card causes an access error followed by a system reboot.
- Message "Card Authentication device are not connected." appears when hovering the IC authentication card over the card reader and the user is unable to log in.
- The Multi Touch Calibration procedure displayed in the self-diagnosis is incorrect.
- Update of package firmware via ARFU (Auto Remote Firmware Update) may fail.

Version 1.07

Specification Change:

- More languages supported for the smart operation panel.

Symptom corrected:

- If a USB numeric keypad is connected, the machine cannot enter the sleep mode.
- The Smart Operation Panel remains turned off and does not respond.
- Cannot calibrate the Smart Operation Panel successfully.
- The operation panel may remain blacked out and not recover from sleep mode.

Version 1.06

Specification Changes:

- Added the ability to control the number of beep sounds when logged in with the IC card.

Symptom corrected:

- The QR code application quits when opening the settings in Taiwanese models.

Version 1.05

Specification Change:

- Registration and activation procedure of the applications available on the home screen were changed.
- To prevent Cheetah application installation for the wrong device,

generation and models of the devices are recognized when installed.

Symptom Corrected:

- Force download of the legacy UI data fails.
- HTTP page may not be displayed correctly, if connected via a proxy server.
- If wireless direct connection is enabled, communication between the connected device is possible (risk of information leakage).
- Operation panel does not light up even if the IC card is hovered over the card reader.
- Confidential data such as passwords are logged and printed out.
- Fails to renew the application license.
- Hybrid application can be installed with an invalid product key (although the activation of the application installed fails).
- If two users log in simultaneously with the IC card from the operation panel and WIM, the system identifies both users as the user logged in from the operation panel.

Version 1.04

Specification Change:

- Support for the Application Site.
- Luminance of the LCD panel is different depending on the vendor of the components.

Error Correction:

- Preinstalled applications can be accidentally uninstalled from Web Image Monitor.
- Key Micon version of the smart operation panel is not correct.
- Because of the timeout value when connecting to the server, applications might fail to install.
- License information for Cheetah hybrid applications that are installed via the Application Site cannot be displayed correctly.
- Under either of the following conditions, installing an application after updating the Zoo firmware via the Application Site will fail:
 - Installing a Cheetah native application when Java VM is disabled.
 - Installing a Cheetah hybrid application when Java VM is enabled.
- After updating the firmware for the Application Site, the application icon is not automatically placed on the home screen.
- NFC card reader does not respond when logged in with the IC authentication card.

Version 1.03

Error Correction:

- When the device is in energy-saving mode, the device cannot be connected to via Wi-Fi Direct. When the device is transitioning to energy-saving mode, the Wi-Fi Direct connection will be disconnected.
- The Cheetah operation panel may falsely detect a multi-touch.

Version 1.02

Specification Change:

1. If the Cheetah System of the wrong model or region is detected upon its installation, message prompting to install the correct version appears.
2. Default setting of error notification and beep sounds was changed from [3] to [1].
3. Supported RICOH SmartSDK v2.12.

Error Correction:

1. Icons of the programs registered are not listed in the order of registration.
2. When an application that includes multiple .apk files are uninstalled or installed from the Application Site, the process screen suddenly disappears, installation is aborted, and operations such as installing another application, conduct a job, and modifying settings cannot be performed.
3. When attempted to display the firmware version from User Tools, error message [Application Installer is not Responding] appears.
4. In the following situations, error (E62) occurs followed by another error (E32) that occurs continuously and does not resolve even by turning the machine power off and on, disabling machine operation.
 - When having installed a package firmware that includes a Cheetah System FW of a version older than the one currently installed on the machine.
 - When having installed a package firmware that includes the Cheetah System firmware to a machine installed with a customized Cheetah System firmware.
5. When installing or updating an application via the eDC server from the service menu on the Smart Operation Panel, the installation or update might fail despite meeting the requirements of the SDK version and when Java is disabled.
6. Under some conditions, the login screen may not be displayed on the device if SLNX installed.
7. The Billing Code function can be used on devices with CAP V2 installed.
8. Even though Quick Card Authentication is enabled, the legacy Copier, Quick Copy, or Copy application might appear on the operation panel after the device has been turned on.
9. If an NFC card reader is used, the user information for CAP V2 can be cached in the Smart Operation Panel memory.
10. When a client device is connected to the Smart Operation Panel via Wi-Fi Direct, corporate LAN environments connected via the network interface of the MFP can be accessed if the following settings are configured:
 - Wi-Fi Direct: Set to "Enable" (default: Disable)
 - Port Forwarding: Set to "Enable" (default: Enable)
 - Interface Settings: Set to "Machine Network" (default: Machine Network)
 - Group Owner Mode: Set to "Enable" (default: Disable)

Please note that the Wi-Fi Direct and Group Owner Mode settings are set to "Enable" when using the RICOH Smart Device Connector.

Version 1.01

1st Mass production

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*** Basic Information ***
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[Create date] 2019/07/31

[Program Name] CheetahSystem

[Version] 1.18

[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) CHN(all)

[Firmware No.] D2621531T

[File Information]

File Name D2621531T.zip

File Type Module for Service

Size 192.31 MB (201654588 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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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 B

Symptom corrected:

- Cannot login with some specific authentication application during the daylight-saving time.
- Setting the Function Priority remotely with the SmartSDK WebAPI might fail if an application other than the home screen is currently displayed on the operation panel.
- The device with CAP/ELP may not be found via Configuration Tool after system reset of device.
- When user uses the proxy server with SSL decoding function, following phenomenon will be occurred.
 - * Cannot connect to Application Site.
 - * Certificate error occurs when user connect to https site such as RICOH Smart Integration site.
 - * The update might fail with error 235, when the package firmware update is conducted.

[Modification history]

Version 1.17

Rank B

Symptom corrected:

- SmartSDK application cannot reply to UDP packet when machine is in Energy Saver Mode.
- When the user interrupts during previewing the scanned document with using Web Browser NX based application and transits to another screen such as the Home screen, the web page is reloaded and user would then need to execute the scan job from the beginning.
- With firmware combination below, the Home button is not displayed, making it impossible to switch between applications.
 - Cheetah System; version 1.30 or older
 - Legacy UI: version 1.23 or newer
- Descriptions might be displayed in English in Smart Integration application, when Brazilian Portuguese is selected.
- Remote config API might not be available when "Machine Management" in the "Administrator Authentication Management" is disabled.
- After returning from Energy Saver mode, when using the shortcut icon to access a site that displays the certificate warning dialog, the dialog is displayed briefly and Web Browser NX freezes.

Other changes:

- Support for SHA-2 signed applications installation.

Version 1.16

Rank C

Symptom corrected:

- The update of CheetahSystem firmware might not be completed if JavaVM is disabled on the device.
- A Smart Operation Panel application might not be activated during installation from a remote installation tool if JavaVM is not enabled on the device.
- Remote Installation fail issue when the machine is in energy saving mode fixed.
- An update to a Smart Operation Panel application using a remote installation tool

might not be completed if JavaVM is not enabled on the device.

Other changes:

- Supported the Remote Panel Operation.
Multiple firmware modules are required to use Remote Panel Operation.
Please refer to GKM Answer ID 251361 for detailed information regarding required firmware.
- Error LED is indicated, and the status in "Check Status" is displayed, for SmartSDK application.
- Supported RICOH SmartSDK v2.60

Version 1.15
Rank C

Symptom corrected:

- Operation panel freezes while updating firmware.
- Installer will crash in situations where updating via Application Site is failed.

Other changes:

- Hybrid applications that were not installed from the Application Site can now be updated or uninstalled from the Application Site.

Version 1.14
Rank C

Symptom corrected:

- System auto reset or auto logout occurs while using external input device (ex. keyboard,mouse).
- The machine does not return from the energy saving mode if the NFC card RW is connected to the operation unit,
- Nothing is displayed on the screen of the operation panel after switching the screen.
- The operation panel does not reboot normally after recovering from the sleep state.
- The center coordinates of the screen might be misaligned even after calibrating with "Touch Screen Adjust".
- Full screen video is not displayed correctly in the Cheetah G2 browser.
- The Smart Device Connector stops working if connected via Bluetooth for an extended period of time.
- The function keys on the banner cannot be pressed until five seconds after login.

Other changes:

- Applications which were not installed via the Application Site can now be updated via the Application Site.
- Automatic update for applications is now available.
- Application updates can be enabled or disabled.
- Notification about new/updated applications can be enabled or disabled.
- Region switching is now restricted.
- Added Application Site support for China and Korea.

Version 1.13

Rank C

Symptom corrected:

- User Information is included in the debug log.
- Login fails if the NDEF (NFC Data Exchange Formation) type of IC card is used for IC card authentication.
- The message, "Unfortunately, Settings2 has stopped", may appear and User Tools cannot be accessed if Cheetah firmware v1.24 or earlier is applied to the SOP with firmware v1.25 or v1.26.
- The message that Settings 2 has stopped may appear when powering on the machine.

Other changes:

- The ICE icon is displayed by default in North American models.
- When installing the Browser NX application from the Application Site, the required firmware can be checked and updated.
- Applications for the web browser can be downloaded from the Application Site.
- When a user with installation authority from the Application Site checks the details page of the new application notification, the notice will not be displayed on the operation panel.
- The period for the automatic update of applications has been extended.
- Added the function to set user usage restrictions for each application.

Version 1.12

Rank C

Symptom corrected:

- A bug of SmartSDK API was fixed.
- Even though user manual site is accessed from the operation panel, log collection tool cannot detect the information.
- Even if FAX function is not installed on the machine, FAX-related sounds can be set.
- The device might not access from the remote tools such as Device Manager NX or GlobalScan NX.
- Printing after a user logs in might cause printing to fail.
- The operation panel may stall at start up or after recovering from the energy saving mode.
- Fixed CVE-2016-3819, CVE-2016-3822, CVE-2016-0718, CVE-2016-3863, CVE-2016-6702, CVE-2016-6703, CVE-2015-1283 and CVE-2012-6702.
- Following symptom may occur when installing software application via SD card:
 - 'Legacy UI' application is uninstalled.
 - The application is not completely installed.
 - Fail to install the application.
- The following issues might occur on the machine when updating the package firmware:
 - Error 22 occurs when updating via ARFU.
 - E228 occurs when updating via SD card.
- Remote installation from device management tool cannot be conducted as long as administrator certification function is invalid.

Other changes:

- Corresponding to Application Site v1.1, the following modifications have been made:
 - When a new or updatable application is available in the Application Site, messages are displayed in the widget and banner on the home screen.
 - When first opening the Application Site, a caution message regarding the proxy settings is displayed.
 - The eDC domain is tied to the region.

- Applications can be forcibly uninstalled with Screen Service login.
- Some applications that were not installed from the Application Site can be updated and deleted from the Application Site.
- Reduced the startup time of the Application Site.
- Improved the error and troubleshooting messages.
- The Application Site can switch to either the test server or the production server when connecting to the eDC server.
- When the Application Site is opened for the second time after turning on the main power, the start-up time is improved by using the cache without reloading the site.
- Support for a new eMMC used in the SOP.
- Trial applications that include restrictions on data availability and/or available models can be installed and have those restrictions controlled.
- Supported RICOH SmartSDK v2.50.
- Supported RICOH SmartSDK v2.40.
- Applications are not uninstalled even if the expiration date of the manifest file has passed.

Version 1.11

Other Changes:

- The energy consumed for shutdown is reduced when quick boot mode is selected.
- A new inspection to verify proper coordinates of the Smart Operation Panel was added in the production line.
- When recovering from low energy mode, the writing frequency on eMMC is minimized.

Symptom Corrected:

- When importing the icon location information, some applications not included in the information might be displayed.
- Smart Device Authentication with Blue Tooth might fail.
- The NFC card is not correctly recognized by the reader.
- The machine might not work properly after rebooting.
- SC998 might occur after recovering from low energy mode.
- If logged-in to SP mode through the operation panel only, pressing the shutdown button does not log out.
- The job information of other users might be shown on the On-Demand Print monitor.
- The "Cannot connect to the machine HDD" error message is displayed when starting the Quick Print Release application.
- The machine might start to reboot if the monitor image becomes blurred.
- When the log-in dialog is not set to be displayed, the SDKJ application icon that is configured to conduct the application-specific authentication is not displayed on the home screen.
- When a device is in Energy Save mode, the device operation panel will show the "Log in" screen after a user swipes an IC card. This issue occurs in the case that Streamline NX v2 or Card Authentication Package v2 is used as the authentication system.
- Fixed CVE-2016-2507, CVE-2016-2508, CVE-2016-3861, and CVE-2016-3862.
- Fixed CVE-2011-3881 and CVE-2014-6041.

Version 1.10

Symptom Corrected:

- When a forced shutdown of the SDK Service process occurs, the application cannot

continue operating.

Other Change:

- Corresponding to Application Site v1.1, the following modifications have been made:
 - When first opening the Application Site, a caution message regarding the proxy settings is displayed.
 - When a new or updatable application is available in the Application Site, messages are displayed in the widget and banner on the home screen.
 - The eDC domain is tied to the region.
 - When the Application Site is opened for the second time after turning on the main power, the start-up time is improved by using the cache without reloading the site.
- Supported RICOH SmartSDK v2.40.
- More languages supported for the smart operation panel.

Version 1.09

Symptom corrected:

- Packet communication with external site is initiated at an unexpected timing.
- The count-up function in the Guidance Setting application does not work when turning ON the machine.

Version 1.08

Symptom corrected:

- [For Taiwan only] Opening the Rimoco QR code application causes a force shutdown of the application.
- Cannot log in by hovering the NFC card over the card reader.
- Message "Card Authentication device are not connected." appears when hovering the IC authentication card over the card reader and the user is unable to log in.
- The screen may stall when running ARFU.
- Update of package firmware via ARFU (Auto Remote Firmware Update) may fail.
- SOP may unexpectedly reboot while entering sleep mode and may also be followed by SC819/SC672.
- Inserting an SD card causes an access error followed by a system reboot.
- The Multi Touch Calibration procedure displayed in the self-diagnosis is incorrect.

Other changes:

- "u:ma" reader was added, to avoid warning messages from appearing during maintenance with USB connection.
- When starting up the smart operation panel by itself, the start up can be cancelled by pressing and holding the STOP key.
- More than five languages can be added to the "Change Langs. Widget" on the smart operation panel.
- Executing [Device Setting Information: Export (Memory Storage Device)] causes applications such as Legacy, Simple application, etc. to appear on the screen.
- The following modifications were made in line with the release of

Application Site v1.1:

- * Enabled forced uninstallation of application when access to the server fails.
- * The eDC domain is tied to the region.
- * Improved the troubleshooting message that appears when an error occurs.
- * Enabled connection to a test environment in the eDC server.
- * Enabled update/removal of applications obtained from sites other than the Application Site.

Version 1.07

Specification Change:

- More languages supported for the smart operation panel.

Symptom corrected:

- If a USB numeric keypad is connected, the machine cannot enter the sleep mode.
- The Smart Operation Panel remains turned off and does not respond.
- Cannot calibrate the Smart Operation Panel successfully.
- The operation panel may remain blacked out and not recover from sleep mode.

Version 1.06

Specification Changes:

- Added the ability to control the number of beep sounds when logged in with the IC card.

Symptom corrected:

- The QR code application quits when opening the settings in Taiwanese models.

Version 1.05

Specification Change:

- Registration and activation procedure of the applications available on the home screen were changed.
- To prevent Cheetah application installation for the wrong device, generation and models of the devices are recognized when installed.

Symptom Corrected:

- Force download of the legacy UI data fails.
- HTTP page may not be displayed correctly, if connected via a proxy server.
- If wireless direct connection is enabled, communication between the connected device is possible (risk of information leakage).
- Operation panel does not light up even if the IC card is hovered over the card reader.
- Confidential data such as passwords are logged and printed out.
- Fails to renew the application license.
- Hybrid application can be installed with an invalid product key (although the activation of the application installed fails).
- If two users log in simultaneously with the IC card from the operation panel and WIM, the system identifies both users as the user logged in from the operation panel.

Version 1.04
1st Mass production for China model.

Version 1.01
1st Mass production

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*** Basic Information ***
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[Create date] 2018/08/09

[Program Name] SimpleScan

[Version] 1.07

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2621553G_forEDC

[File Information]

File Name D2621553G_forEDC.zip

File Type Module for Service

Size 2.13 MB (2228799 byte)

[Availability of RFU] No

[Production reflection] 2018/08

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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:

- Added the "OK" button to confirm the specified destination in Quick Scanner.

[Modification history]

Version 1.06

Other changes:

- Added the function to set user usage restrictions for each application.

Version 1.05

Other Change:

- Job Counter is implemented.

Version 1.04

Symptom corrected:

- When using Quick Card Authentication, Card Authentication Package v2, or another MFP-based solution, the destination list displayed in Quick Scanner might be lacking destinations.

Other changes:

- Design of the "Reset" button has been modified.

Version 1.03

Symptom corrected:

1. Preinstalled applications can be accidentally uninstalled from Web Image Monitor
2. If all of the data in the address book is deleted and then a program is recalled in Quick or Smart Scanner, the screen will be able to display destination information.
3. An SC672-12 error might occur while displaying the preview screen in scanner-based applications for a significant amount of time

Other Changes:

- When the destination for Scan includes several hundred destinations and then the "Start" key is pressed, the message "Processing destination...Please wait for start scanning." is displayed on the screen.

Version 1.02

Symptom corrected:

- Some of the words are incorrect in several languages.

Version 1.01

1st Mass production

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

[Create date] 2019/08/21

[Program Name] PrinterSJob

[Version] 1.72

[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.] D2621556H_forEDC

[File Information]

File Name D2621556H_forEDC.zip

File Type Module for Service

Size 1.11 MB (1166018 byte)

[Availability of RFU] No

[Production reflection] 2019/06

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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:

- Debug log retrieved from the machine might include information which is not relevant to the machine operation.

[Modification history]

Version 1.71

Rank C

Symptom corrected:

- Quick Print Release might not start when user authentication is enabled.
- If Quick Print Release is started immediately after waking up from energy saving mode, the waiting screen might stay on the operation panel and the application won't start up.

Version 1.70

Other changes:

- Added the function to set user usage restrictions for each application.

Version 1.69

Other Change:

Job Counter is implemented.

Version 1.68

Other changes:

Design of the "Reset" button has been modified.

Version 1.38

Symptom Corrected:

If logged in with the administrator right and a Quick Print Release job that is not set with a password is selected, the Release File Lock button is not greyed out.

Version 1.31

Symptom corrected:

- Pre-installed application can be falsely uninstalled with the extended features of Web Image Monitor.
- When the authentication method is changed while "Quick Print Release" is enabled, the message on the screen is not displayed correctly.

Version 1.14

Specification Change:

Words displayed on the operation panel were added/revised.

Error Correction:

Names of the applications that appear in "Activate Application" and "Update Application" of the service mode are incorrect.

Version 1.00

1st Mass production

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

[Create date] 2019/08/02

[Program Name] MeidaPrtScn

[Version] 1.09

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2621557G_forEDC

[File Information]

File Name D2621557G_forEDC.zip

File Type Module for Service

Size 3.31 MB (3471660 byte)

[Availability of RFU] No

[Production reflection] 2019/06

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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:

- The preview screen of the scanned document might not be displayed on Print/Scan (Memory Storage Device) application, when the document is scanned with the following condition.
- The file type is TIFF/ JPEG (Single page)
- Preview is checked.

[Modification history]

Version 1.08

Other changes:

- Added the function to set user usage restrictions for each application.

Version 1.07

Other Change:

- Job Counter is implemented.

Version 1.06

Other Changes:

Design of the "Reset" button has been modified.

Version 1.05

Symptom corrected:

When a timer setting triggers the MFP to enter low-power mode, the "Memory Storage Devices" configurations are reset to the default values.

Version 1.04

Symptom corrected:

- Pre-installed application can be falsely uninstalled with the extended features of Web Image Monitor.
- Dialogs in the Media Print & Scanner application might be displayed in English even if another language has been set.
- An SC672-12 error might occur when the preview screen in scanner-based applications is displayed for a significant amount of time.

Specification change:

- The user interfaces for Smart Copy and Media App have been improved.

Version 1.03

Specification Change:

- Some of the words are incorrect in several languages.
- Several application names were incorrect.

Error Correction:

- Names of the applications that appear in "Activate Application" and "Update Application" of the service mode are incorrect.

Version 1.01
1st Mass production

=====
***** Basic Information *****
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[Create date] 2019/03/14

[Program Name] System/Copy

[Version] 1.17

[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.] D2625221S

[File Information]

File Name D2625221S.fwu

File Type Module for Service

Size 24.59 MB (25789580 byte)

[File Information]

File Name D2625221S.rfu

File Type Module for Remote Upgrade

Size 24.60 MB (25796864 byte)

[Availability of RFU] Yes

[Production reflection] 2019/01

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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 "Application Authentication Settings" is enabled, SC899 might occur after registering or updating an address book over 220 times from Web Image Monitor.
- The time on the Date and Time Widget might be incorrect if the FAX SP1-101-022 (System Switch 15) bit 1 (Going into the Energy Saver mode automatically) is set to "1: Disabled".
- When logging in or out repeatedly, SC899 might occur because of an irregular memory exclusion operation.
- It takes time to login after authenticating the card.
- Fails to download files from the firmware download center using ARFU.
- The machine might stall if it enters energy saving mode during ARFU.

Other changes:

- If a firmware package is unpublished (for example, when a bug is discovered after release), it is possible to apply a previous firmware package via ARFU, SFU, and Application Site.
(Previously, if a firmware package is unpublished then ARFU, SFU, and Application Site would display an error dialog and the function could not be used.)
- In the event that a problem is discovered which only affects ARFU, SFU, and/or Application Site, updates via those functions can be disabled on the global download server side. (While still allowing manual downloads by a technician)

[Modification history]

Version 1.16

Rank C

Symptom corrected:

- Image log might not be sent and stay in the device.
- Copy application and FAX application might not start when pressing these application icons.
- SmartSDK application cannot reply to UDP packet when machine is in Energy Saver Mode.
- SC 998 may occur in case that user performs "Export Device Setting Information" from Web Image Monitor when the device is in energy-saving mode.
- When the device receive a response of "ICMP unreachable" from a network device, the communication might fail.
- User and SP settings information in the Copy (Classic) application and the Scanner (Classic) application might be cleared after version up or down to specific firmware version.
- Preview screen of a print job on Enhanced Locked Print might freeze, when the page is repeatedly moved.

Other changes:

- Added html format for Scan to Email function.
- Added a new feature for the SmartSDK WebAPI.

Version 1.15

Rank C

Symptom corrected:

- Installation of the Cheetah application from the Web Image Monitor fails when the SSL encryption level is set to "Ciphertext Priority" or "Ciphertext Only".

- Login might fail and the application icon might not be displayed.

Other changes:

- Minor change for domestic market.
- Supported the Remote Panel Operation.
Multiple firmware modules are required to use Remote Panel Operation.
Please refer to GKM Answer ID 251361 for detailed information regarding required firmware.

Version 1.14

Rank C

Symptom corrected:

- The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.
- When the SMC List is saved to the SD card as a CSV file, SP7507 (Latest Jam History) is not correctly recorded.
- An SC error might occur when scanning with AirPrint, WSD-Scanner, or DSM.
- The following symptoms might occur when executing:
 1. SP5-846-051 (Backup All Addr Book)
 - A backup failure message might appear.
 2. SP5-846-052 (Restore All Addr Book)
 - SC899 might occur.
 - The machine might stall.

Other changes:

- Supported RICOH SmartSDK v2.50.
- Supported RICOH SmartSDK v2.50.
- The version was upgraded for firmware management purpose on the server.
No changes made to the firmware.

Version 1.13

Rank C

Other changes:

- Supported RICOH SmartSDK v2.50.

Version 1.12

Symptom corrected:

- If an application icon on the monitor is pressed just after the machine enters into energy saver mode, the application stalls.
- A true/false based API control was added to check the capability of Scan and FAX.
- A bug of SmartSDK API was fixed.
- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- When JavaVM is not enabled and only IPv6 is enabled, the list of installed applications is not displayed in Extended Feature Info on the Web Image Monitor.
- When the device has just gone into energy saver mode, even if a copy job is sent from a SmartSDK application, copying does not start.
- In the "Printing text and serial numbers" mode, blank text with serial numbers cannot be copied on the copying sheets.
- When using Windows authentication, LDAP authentication, or external authentication,

if exporting the address book from Device Manager NX, the export data cannot be imported.

- Remote un-installation for Streamline NX might fail.
- If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.
- SC 998 might be displayed when rebooting the machine if ESA application is set as the priority function.
- OCR cannot recognize characters if converting scanned image to searchable PDF.
- Cancelling scanning might result in SC990/991 occurring and the machine rebooting.
- After sending mail including the URL link of a PDF file scanned by OCR, when the device is turned off and on, the PDF file is not able to be accessed by clicking on the URL.
- SC687 might be displayed if a user restarts a mass print job when the machine is in the following state.
 - Stop key is pressed
 - Cover Open
 - Toner-End comes
 - JAM happens
- When the authentication setting is adjusted for each application, SC998 or SC991 might be displayed.
- If some characters are included in a user name, login authentication is not correctly done.

Other changes:

- Added the specification of panel coordinate inspection for the Smart Operation Panel.
- Added the function to set user usage restrictions for each application.
- Supported RICOH SmartSDK v2.40.

Version 1.11

Other changes:

- Newly added SMBv2/v3 support.

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

System/Copy v1.11 (D2625221L)

Network Support v15.26.1 (D2625229F)

Web Support v1.05 (D2625225E)

Scanner v01.05 (D2625224F)

animation v1.04 (D2625228E)

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

Version 1.10

Symptom corrected:

- SC672 occurs after recovering from sleep mode and SC819 occurs after reboot.
- SC845 may occur while updating a package firmware, if the machine was turned OFF during the previous update via ARFU.
- After entering the user code to start up the Copy application, the user code input screen does not disappear.
- If a jam occurs on the first page of a job on a machine set with user code authentication and then, the start button and log-out

- button are pressed together, the start button becomes ineffective.
- The operation panel may freeze, if the Start button is pressed in copy mode immediately after recovering from the energy saver mode.
 - A true/false based API control was added to check the capability of Scan and FAX.
 - SC673-10 may occur when turning ON the machine power.

Version 1.09

Symptom corrected:

- SC819 may occur after removing a jam that occurred in a heavy job that fully consumes the printer memory.
- Shutdown may take longer than expected if shut down with the main power switch.
- User information (Mail address/ FAX address/ Folder address) cannot be updated when logged on with a user certification, if a space is contained in any of the user information field.

Other changes:

- More than five languages can be added to the "Change Langs. Widget" on the smart operation panel.
- Reduced time for controller firmware update and improved progress bar feature.
- The machine reboots automatically after an SC670.
- SC670 was added with sub-codes.
- The KeyStroke Reader was added with new functions.

Version 1.08

Symptoms corrected:

1. Poor-quality text is output when printing a job that contains multiple PDL data.
2. After an SC reboot occurs, if the dialog window stating that the automatic reboot has occurred is not closed, SDK-J applications cannot be started, which results in an SC990 error occurring.
3. Connection may fail if entering and recovering from energy saving mode is repeated without power OFF/ON on @Remote connected machines.
4. Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.
5. When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
6. Can not recovery from energy saving mode and SC672-11 may occur.
7. Recovering from STR causes SC672-00/-11, if Extended USB Board Type M19 & File Format Converter Type M19 are combined.
8. SC819 occurs at boot-up.
9. The printout is not as expected, if A2 or smaller size jobs stored in the Document Server are enlarged and printed continuously.
10. Notifications are not displayed in MFP applications even if key counter management or external charge unit management is enabled.
11. The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

12. When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.

Version 1.07

Specification Change:

- When executing a Firmware configuration task via Device Manager NX Pro/Enterprise, an RFU package with the appropriate destination (USA/Europe/Asia/Korea/Taiwan model or China model) can be selected and downloaded from the RICOH Global Server.

Symptom corrected:

- Behavior of the SDK applications (CAP/ELP/SLNX/GSNX/etc.) may be incorrect or inconsistent as described below. Both the Standard (Compatibility mode) and SOP Optimized (Hybrid mode) applications are affected by these issues.
 - Cannot log in.
 - Cannot scan.
 - Cannot print.
 - Error message appears.
- Machine might stall due to a time-out error of the SATA command when the HDD activates.
- Error occurs, if new addresses are continuously registered to the address book using Smart SDK.
- Added an SP setting for enabling or disabling the "Screen Monitoring" function. SP5-885-205: default = 0 ("Screen Monitoring" is enabled)
- SC899 may occur after ARFU, if access logging is enabled.
- If the device enters Energy Save Mode after automatically logging out an account, the device might stall when IC card authentication is used to recover from Energy Save Mode.
- When LDAP Authentication or Windows Authentication is used and login fails, the machine might beep twice.
- If a user ID is input manually and then an IC card of a different user is hovered over the card reader, the user ID manually input is overwritten with the user ID of the IC card.
- If logged in using CAP and the device enters Energy Save mode, the device may stall and logging out will fail.
- Memory leak may occur when logged in/out under the conditions below:
 - IC card authentication is not installed
 - Extended authentication (SP5-401-160) disabled
- Remote authentication fails on a device set with the Quick Card Authentication enabled, if the printer is asleep.
- Error 22 may occur during ARFU.
- SC899 may occur when installing @Remote.
- SC991/SC899 may occur or stall may occur during use of application on @Remote connected machines.

This firmware is dependent on Web Support firmware v1.04 (D2625225D) or later, so please be sure to update that firmware as well.

Version 1.06

Symptom corrected:

- Recovering from the energy saver mode takes about 5 seconds longer than usual.
- Saving a scanned file onto a USB memory stick may cause the file to corrupt.

- Package RFU update may fail.
- SC687 occurs, if a document is opened in Web Image Monitor while printing a document from the Document Server with the scaling enlarged or reduced.

Version 1.05

Symptom Corrected:

- Wrong fonts are used in some operation screens and the Web Image Monitor.
- Emergency firmware update may not work occasionally.
- Package RFU update may fail.
- Error occurs, if new addresses are continuously registered to the address book using Smart SDK.

Other Changes:

- ARFU function supported.

Version 1.04

Specification Change:

- Application Site version F2 supported.

Error Correction:

- SC899 may occur during a remote firmware update (RFU), if the SD card for FW update is removed without turning OFF the machine power.
- If Auto Remote Firmware Update (ARFU) activates while the machine is in energy saver mode, the update is not performed.
- SC670 occurs when recovering from STR.
- SC672-11 occurs when recovering from energy saver mode.
- SC819 occurs when turning the machine power OFF and then ON.

Version 1.03

Error Correction:

- SC672-12 occurs when recovering from energy saver mode.
- SC899 occurs when turning ON the power.
- SP5-848-025 remains disabled even if it is enabled.
- If Remote Firmware Update is performed from the central server via external appliances, the update cannot be completed.
- The [Offset] screen used for setting the device to summer time was falsely translated to mean 'offset printing' in multiple languages.
- When Windows Authentication is being used, LDAP search fails and DSM is unavailable.

Version 1.02

1st Mass production

=====
*** Basic Information ***
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[Create date] 2019/08/02

[Program Name] Scanner

[Version] 01.10

[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.] D2625224L

[File Information]

File Name D2625224L.fwu

File Type Module for Service

Size 4.79 MB (5027136 byte)

[File Information]

File Name D2625224L.rfu

File Type Module for Remote Upgrade

Size 4.80 MB (5034240 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

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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:

- An error might occur when sending mail if the billing code is used with the Card Authentication Package v2.

[Modification history]

Version 01.09

Rank B

Symptom corrected:

- If a file was stored through the SmartSDK scanner application and user authentication is set to something other than basic, the file password might be displayed in the username on the file details screen.

Version 01.08

Rank C

Symptom corrected:

User and SP settings information in the Copy (Classic) application and the Scanner (Classic) application might be cleared after version up or down to specific firmware version.

Version 01.07

Rank C

Symptom corrected:

- The following bug was fixed again:
When the device is accessed from Web Image Monitor just before scanning is finished under the following conditions, the device cannot be logged out from even if "Logout" is pressed, and then the Scanner application cannot be used:
 - When user authentication is enabled.
 - When custom authentication, such as Card Authentication Package, is being used.

Other changes:

- Supported RICOH SmartSDK v2.50.

Version 01.06

Symptom corrected:

- Under the following conditions, when scanning a document with the OCR setting configured that consists of only blank pages or is not the original document, an SC899 error might occur:
 - User authentication is enabled.
 - In OCR settings, "Delete Blank Page" is enabled.
 - "Download File Directly From URL Link" is set to "On".
- Scanner Features > File Emailing Method is set to either of the following:
 - Set to "Send URL Link".
 - Set to "Auto Detect" and specify the URL when scanning.
 - Set to "Set by User" and the data size of the scanned result exceeds

the sending-size limit.

- When OCR is set and a document over 51 pages is sent by Scan to Email, sending might fail.
- When OCR is set and a document over 256 pages is scanned, the Scanner application might freeze or SC997 might occur.
- If scanning while "Download File Directly from URL Link" is set to On, "Insert Additional Email Info" is set to Off, and OCR is enabled, an SC899 error might occur after the original is scanned.
- If the Feed Start Method is set to Auto and a user logs out during the Original Feed Delay in Smart Scanner, the scanner function becomes unusable.

Other changes:

Added the following Scanner SP settings:

- SP2-031-001 Vertical Judgement Settings: Function Setting
- SP2-031-002 Vertical Judgement Settings: Algorithm Setting

This firmware is dependent on System/Copy firmware v1.12 (D2625221M) or later, so please be sure to update that firmware as well.

Version 01.05

Other changes:

- Newly added SMBv2/v3 support.

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

System/Copy v1.11 (D2625221L)

Network Support v15.26.1 (D2625229F)

Web Support v1.05 (D2625225E)

Scanner v01.05 (D2625224F)

animation v1.04 (D2625228E)

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

Version 01.04

Symptom corrected:

1. When a large number of destinations are set in either of the following applications, it might take 10 seconds or more for the paper to be fed:
 - Quick Scanner
 - Quick Fax
 - Scanner
 - Fax
2. When the device is accessed from Web Image Monitor just before scanning is finished under the following conditions, the device cannot be logged out from even if "Logout" is pressed, and then the Scanner application cannot be used:
 - When user authentication is enabled.
 - When custom authentication, such as Card Authentication Package, is being used.

Version 01.03

Symptom corrected:

1. When the cover is open or a paper jam occurs while using another application such as Copy or Printer, if "Check Status" is pressed, "Check" is displayed in the Scanner area of the status bar even though Scanner is not being used.

This firmware is dependent on SmartScan firmware v1.11 (D2411456L) or later, so please be sure to update both firmwares.

2. When many scan jobs are scanned from an application that is based on SmartSDK under the following conditions, an error might be displayed and the device might not be able to scan until the device is rebooted:

- "User Authentication" is enabled.
- "Download File Directly From URL Link" is enabled.
- "File Emailing Method" is set to "Send URL Link".
- "OCR setting" is enabled.

Version 01.02

Symptom corrected:

1. When "Download File Directly From URL Link" is enabled and scan to URL is conducted 100 times or more, the scan job might fail.
2. When a scan job is conducted from "Simplified Scrn." under the following conditions, the files for that job cannot be deleted from the temporary memory after the job has been sent:
 - User Authentication is enabled.
 - "Download File Directly From URL Link" is enabled.
 - "File Emailing Method" is set to "Send URL Link" or "Auto Detect".
3. When "Copy Server : Set Function" (SP5-967-001) is set to OFF on a printer that has an HDD installed, "Program Setting for Destinations" does not appear in Scanner Features.

Version 01.01

1st Mass production

=====
***** Basic Information *****
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[Create date] 2019/08/02

[Program Name] Network Support

[Version] 15.32

[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.] D2625229M

[File Information]

File Name D2625229M.fwu

File Type Module for Service

Size 10.17 MB (10665460 byte)

[File Information]

File Name D2625229M.rfu

File Type Module for Remote Upgrade

Size 10.18 MB (10670336 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

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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:

- Even when the certificate key length for @Remote is set to 512-bit, the device can connect to the firmware download server (for ARFU, SFU, etc.).
- Supported RICOH SmartSDK v2.60
- Symptom corrected:
- The DHCP address renewal request might be discarded when the DHCP server is configured as a failover cluster.

[Modification history]

Version 15.31

Rank C

Symptom corrected:

- DNS name resolution for the device might fail if DDNS is enabled in a DHCPv6 environment.

Other changes:

- It is now possible to close the following ports with a Telnet command:
 - 111/tcp
 - 1022/tcp
 - 1023/tcp
 - 2049/tcp
 - 18315/tcp
 - 54080/tcp
 - 54443/tcp
 - 1022/udp
 - 1023/udp
- Please refer to the RTB (RGene108) for more details.

Version 15.30

Rank C

Symptom corrected:

- When conducting Scan to Folder using SMBv2/v3, if the device receives UDP communication from the outside to the port used by SMBv2/v3, Scan to Folder might fail.

Version 15.29

Rank C

Symptom corrected:

- The device might fail to obtain the fax transmission result using FTP.
- SMB client timeout configuration is not correctly applied in the device.
- SC899 occurs when conducting Scan to Folder, and the device might automatically restart.
- When conducting Scan to Folder, if a host name is resolved to multiple IP addresses by NBNS, the device tries to connect to only the first resolved IP address.
- When a HP device is working on the same subnet, Scan to Folder will fail.
- Network browsing sometimes fails when conducting Scan to Folder.
- The device might freeze during data transmission when conducting Scan to Folder with SMBv2/v3.
- When conducting Scan to Folder in a high-load network environment, the device's status gets

- stuck on sending and the scanner becomes unusable.
- SC819 might occur after updating firmware remotely.

Version 15.28

Symptom corrected:

- Fixed unnecessary processing affecting hard disk failure and deterioration.
- Unnecessary logs are recorded in the system logs when connecting to the network through a wireless LAN.
- When using the DHCP Option204 function, the "Setting change..." message might be repeatedly displayed on the operation panel, and a user cannot operate the device.
- Fixed the WebAPI bug when obtaining the network property information.

Version 15.27

Symptom corrected:

- On a device with SMBv2/v3 firmware, when sending a scanned or fax document using the Hotfolder plug-in for GlobalScan or StreamlineNX, an "incorrect" document may be sent to the destination and may be lost the original document.

Version 15.26.1

Other changes:

- Newly added SMBv2/v3 support.

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

System/Copy v1.11 (D2625221L)

Network Support v15.26.1 (D2625229F)

Web Support v1.05 (D2625225E)

Scanner v01.05 (D2625224F)

animation v1.04 (D2625228E)

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

Version 15.25

Symptom corrected:

- When the device is in Energy Saver Mode, if information about the network interface for the device is being obtained from the SNMP Manager application, nonexistent errors are recorded in the system logs.

Other Changes:

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

Version 15.24

Symptom corrected:

1. When the device is in STR mode, printing might stop and not be able to be conducted until the device is rebooted.
2. Administrator password cannot be changed via telnet.

Version 15.23

Symptom Corrected:

1. When the device is set to use "IEEE 802.1X" and "TLS1.2" is set to "active", authentication will fail.
2. If the device has not being used a significant amount of times, functions that require a network connection might fail.

Version 15.22

1st Mass production

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*** Basic Information ***
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[Create date] 2019/09/18

[Program Name] System/Copy

[Version] 1.20

[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.] D2625246B

[File Information]

File Name D2625246B.fwu

File Type Module for Service

Size 24.60 MB (25795444 byte)

[File Information]

File Name D2625246B.rfu

File Type Module for Remote Upgrade

Size 24.61 MB (25800960 byte)

[Availability of RFU] Yes

[Production reflection] 2019/10

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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 display language is set to Russian, there may be some translation issues on some error messages.

Other changes:

- To meet the Energy Star 3.0 criteria, SP5-305-001(Auto-Off Set) is added.
- Right after updating to this firmware, the value is set to 0, which means no regulation for Sleep Mode Timer in Timer Settings.
- If the value is set to 1, the maximum time for Sleep Mode Timer will be regulated from 240 to 60 minutes.

[Modification history]

Version 1.19

Rank C

Symptom corrected:

- Wireless direct connection might fail in Group Owner Mode.
- Color registration shift occurs.
- Cannot log-in with VM less application during daylight saving time .
(Only in the case that the daylight saving time period start at Oct-Dec)
- A part of registered address may not be shown in Smart Scan feature.
- @Remote 3G fails to connect to @Remote center server when a device turns to an engine off mode.
- When the auto logout setting is enabled, logout failed message might appear during the printing.
- If the authentication setting is changed remotely while logging in from the panel, the operation might hang, and the panel might stall.
- The device might freeze after logging in to the device at address book screen under the following conditions:
 - 1) Central Management is enabled.
 - 2) Either of Windows authentication, LDAP authentication, or Custom authentication is set on User Authentication Management.
- FAX transmission from PC-FAX driver might fail on the device with custom authentication, when the transmission is tried within five seconds after turning to energy saving mode.

Other changes:

- The Java VM version can be confirmed via @Remote.
- Supported RICOH SmartSDK v2.60

Version 1.18

Supported:

- The CPU is replaced with a newer model, so the BIOS is also updated to support the new model.
-

Version 1.17

Rank C

Symptom corrected:

- When "Application Authentication Settings" is enabled, SC899 might occur after registering or updating an address book over 220 times from Web Image Monitor.
- The time on the Date and Time Widget might be incorrect if the FAX SP1-101-022 (System Switch 15) bit 1 (Going into the Energy Saver mode automatically) is set to "1: Disabled".
- When logging in or out repeatedly, SC899 might occur because of an irregular memory exclusion operation.
- It takes time to login after authenticating the card.
- Fails to download files from the firmware download center using ARFU.
- The machine might stall if it enters energy saving mode during ARFU.

Other changes:

- If a firmware package is unpublished (for example, when a bug is discovered after release), it is possible to apply a previous firmware package via ARFU, SFU, and Application Site.
(Previously, if a firmware package is unpublished then ARFU, SFU, and Application Site would display an error dialog and the function could not be used.)

Version 1.16

Rank C

Symptom corrected:

- Image log might not be sent and stay in the device.
- Copy application and FAX application might not start when pressing these application icons.
- SmartSDK application cannot reply to UDP packet when machine is in Energy Saver Mode.
- SC 998 may occur in case that user performs "Export Device Setting Information" from Web Image Monitor when the device is in energy-saving mode.
- When the device receives a response of "ICMP unreachable" from a network device, the communication might fail.
- User and SP settings information in the Copy (Classic) application and the Scanner (Classic) application might be cleared after version up or down to specific firmware version.
- Preview screen of a print job on Enhanced Locked Print might freeze, when the page is repeatedly moved.

Other changes:

- Added html format for Scan to Email function.
- Added a new feature for the SmartSDK WebAPI.

Version 1.15

Rank C

Symptom corrected:

- Installation of the Cheetah application from the Web Image Monitor fails when the SSL encryption level is set to "Ciphertext Priority" or "Ciphertext Only".
- Login might fail and the application icon might not be displayed.

Other changes:

- Minor change for domestic market.
- Supported the Remote Panel Operation.
Multiple firmware modules are required to use Remote Panel Operation.

Please refer to GKM Answer ID 251361 for detailed information regarding required firmware.

Version 1.14
Rank C

Symptom corrected:

- The user might not be able to log in if the machine repeatedly enters and exits Energy Saver Mode.
- When the SMC List is saved to the SD card as a CSV file, SP7507 (Latest Jam History) is not correctly recorded.
- An SC error might occur when scanning with AirPrint, WSD-Scanner, or DSM.
- The following symptoms might occur when executing:
 1. SP5-846-051 (Backup All Addr Book)
 - A backup failure message might appear.
 2. SP5-846-052 (Restore All Addr Book)
 - SC899 might occur.
 - The machine might stall.

Other changes:

- Supported RICOH SmartSDK v2.50.
 - Supported RICOH SmartSDK v2.50.
 - The version was upgraded for firmware management purpose on the server.
- No changes made to the firmware.

Version 1.13
Rank C

Other changes:

- Supported RICOH SmartSDK v2.50.

Version 1.12

Symptom corrected:

- If an application icon on the monitor is pressed just after the machine enters into energy saver mode, the application stalls.
- A true/false based API control was added to check the capability of Scan and FAX.
- A bug of SmartSDK API was fixed.
- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- When JavaVM is not enabled and only IPv6 is enabled, the list of installed applications is not displayed in Extended Feature Info on the Web Image Monitor.
- When the device has just gone into energy saver mode, even if a copy job is sent from a SmartSDK application, copying does not start.
- In the "Printing text and serial numbers" mode, blank text with serial numbers cannot be copied on the copying sheets.
- When using Windows authentication, LDAP authentication, or external authentication, if exporting the address book from Device Manager NX, the export data cannot be imported.
- Remote un-installation for Streamline NX might fail.
- If log tracing on Web Image Monitor is cancelled just after using the function, the machine enters into off-line mode.
- SC 998 might be displayed when rebooting the machine if ESA application is set

as the priority function.

- OCR cannot recognize characters if converting scanned image to searchable PDF.
- Cancelling scanning might result in SC990/991 occurring and the machine rebooting.
- After sending mail including the URL link of a PDF file scanned by OCR, when the device is turned off and on, the PDF file is not able to be accessed by clicking on the URL.
- SC687 might be displayed if a user restarts a mass print job when the machine is in the following state.
 - Stop key is pressed
 - Cover Open
 - Toner-End comes
 - JAM happens
- When the authentication setting is adjusted for each application, SC998 or SC991 might be displayed.
- If some characters are included in a user name, login authentication is not correctly done.

Other changes:

- Added the specification of panel coordinate inspection for the Smart Operation Panel.
- Added the function to set user usage restrictions for each application.
- Supported RICOH SmartSDK v2.40.

Version 1.11

Other changes:

- Newly added SMBv2/v3 support.

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

System/Copy v1.11 (D2625221L)

Network Support v15.26.1 (D2625229F)

Web Support v1.05 (D2625225E)

Scanner v01.05 (D2625224F)

animation v1.04 (D2625228E)

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

Version 1.10

Symptom corrected:

- SC672 occurs after recovering from sleep mode and SC819 occurs after reboot.
- SC845 may occur while updating a package firmware, if the machine was turned OFF during the previous update via ARFU.
- After entering the user code to start up the Copy application, the user code input screen does not disappear.
- If a jam occurs on the first page of a job on a machine set with user code authentication and then, the start button and log-out button are pressed together, the start button becomes ineffective.
- The operation panel may freeze, if the Start button is pressed in copy mode immediately after recovering from the energy saver mode.
- A true/false based API control was added to check the capability of Scan and FAX.
- SC673-10 may occur when turning ON the machine power.

Version 1.09

Symptom corrected:

- SC819 may occur after removing a jam that occurred in a heavy job that fully consumes the printer memory.
- Shutdown may take longer than expected if shut down with the main power switch.
- User information (Mail address/ FAX address/ Folder address) cannot be updated when logged on with a user certification, if a space is contained in any of the user information field.

Other changes:

- More than five languages can be added to the "Change Langs. Widget" on the smart operation panel.
- Reduced time for controller firmware update and improved progress bar feature.
- The machine reboots automatically after an SC670.
- SC670 was added with sub-codes.
- The KeyStroke Reader was added with new functions.

Version 1.08

Symptoms corrected:

1. Poor-quality text is output when printing a job that contains multiple PDL data.
2. After an SC reboot occurs, if the dialog window stating that the automatic reboot has occurred is not closed, SDK-J applications cannot be started, which results in an SC990 error occurring.
3. Connection may fail if entering and recovering from energy saving mode is repeated without power OFF/ON on @Remote connected machines.
4. Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.
5. When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
6. Can not recovery from energy saving mode and SC672-11 may occur.
7. Recovering from STR causes SC672-00/-11, if Extended USB Board Type M19 & File Format Converter Type M19 are combined.
8. SC819 occurs at boot-up.
9. The printout is not as expected, if A2 or smaller size jobs stored in the Document Server are enlarged and printed continuously.
10. Notifications are not displayed in MFP applications even if key counter management or external charge unit management is enabled.
11. The DSDK application fails to connect to the LDAP server when using Kerberos authentication.
12. When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.

Version 1.07

Specification Change:

- When executing a Firmware configuration task via Device Manager NX Pro/Enterprise, an RFU package with the appropriate destination (USA/Europe/Asia/Korea/Taiwan model or China model) can be selected and downloaded from the RICOH Global Server.

Symptom corrected:

- Behavior of the SDK applications (CAP/ELP/SLNX/GSNX/etc.) may be incorrect or inconsistent as described below. Both the Standard (Compatibility mode) and SOP Optimized (Hybrid mode) applications are affected by these issues.
 - Cannot log in.
 - Cannot scan.
 - Cannot print.
 - Error message appears.
- Machine might stall due to a time-out error of the SATA command when the HDD activates.
- Error occurs, if new addresses are continuously registered to the address book using Smart SDK.
- Added an SP setting for enabling or disabling the "Screen Monitoring" function. SP5-885-205: default = 0 ("Screen Monitoring" is enabled)
- SC899 may occur after ARFU, if access logging is enabled.
- If the device enters Energy Save Mode after automatically logging out an account, the device might stall when IC card authentication is used to recover from Energy Save Mode.
- When LDAP Authentication or Windows Authentication is used and login fails, the machine might beep twice.
- If a user ID is input manually and then an IC card of a different user is hovered over the card reader, the user ID manually input is overwritten with the user ID of the IC card.
- If logged in using CAP and the device enters Energy Save mode, the device may stall and logging out will fail.
- Memory leak may occur when logged in/out under the conditions below:
 - IC card authentication is not installed
 - Extended authentication (SP5-401-160) disabled
- Remote authentication fails on a device set with the Quick Card Authentication enabled, if the printer is asleep.
- Error 22 may occur during ARFU.
- SC899 may occur when installing @Remote.
- SC991/SC899 may occur or stall may occur during use of application on @Remote connected machines.

This firmware is dependent on Web Support firmware v1.04 (D2625225D) or later, so please be sure to update that firmware as well.

Version 1.06

Symptom corrected:

- Recovering from the energy saver mode takes about 5 seconds longer than usual.
- Saving a scanned file onto a USB memory stick may cause the file to corrupt.
- Package RFU update may fail.
- SC687 occurs, if a document is opened in Web Image Monitor while printing a document from the Document Server with the scaling enlarged or reduced.

Version 1.05

Symptom Corrected:

- Wrong fonts are used in some operation screens and the Web Image Monitor.
- Emergency firmware update may not work occasionally.
- Package RFU update may fail.
- Error occurs, if new addresses are continuously registered to the address book using Smart SDK.

Other Changes:

- ARFU function supported.

Version 1.04

Specification Change:

- Application Site version F2 supported.

Error Correction:

- SC899 may occur during a remote firmware update (RFU), if the SD card for FW update is removed without turning OFF the machine power.
- If Auto Remote Firmware Update (ARFU) activates while the machine is in energy saver mode, the update is not performed.
- SC670 occurs when recovering from STR.
- SC672-11 occurs when recovering from energy saver mode.
- SC819 occurs when turning the machine power OFF and then ON.

Version 1.03

Error Correction:

- SC672-12 occurs when recovering from energy saver mode.
- SC899 occurs when turning ON the power.
- SP5-848-025 remains disabled even if it is enabled.
- If Remote Firmware Update is performed from the central server via external appliances, the update cannot be completed.
- The [Offset] screen used for setting the device to summer time was falsely translated to mean 'offset printing' in multiple languages.
- When Windows Authentication is being used, LDAP search fails and DSM is unavailable.

Version 1.02

1st Mass production

<<Package>>

package_02 [MOCC2r_pk1]

D2625262E Ver. 5.01 -> D2625262F Ver. 6.00

<<Separate>>

Engine [MOC2a_eplot]

D2625442E Ver. 1.06:05 -> D2625442F Ver. 1.07:05

System/Copy [MOCC2a_system]

D2625221J Ver. 1.09 -> D2625221K Ver. 1.10

Scanner [MOCC2a_scn]

D2625224D Ver. 01.03 -> D2625224E Ver. 01.04

Network Support [MOC2a_net]

D2625229D Ver. 15.24 -> D2625229E Ver. 15.25

M2a_System [M2a_System]

D2621531J Ver. 1.09 -> D2621531K Ver. 1.10

M2a_ScanToME [M2a_ScanToME]

D2621542B Ver. 1.06 -> D2621542C Ver. 1.07

M2a_SimpleScan [M2a_SimpleScan]

D2621553D Ver. 1.04 -> D2621553E Ver. 1.05

M2a_MeidaPrtScn [M2a_MeidaPrtScn]

D2621557D Ver. 1.06 -> D2621557E Ver. 1.07

M2a_SmartCopy [M2a_SmartCopy]

D2621563D Ver. 1.04 -> D2621563E Ver. 1.05

M2a_SmartScan [M2a_SmartScan]

D2621564C Ver. 1.04 -> D2621564D Ver. 1.05

=====

*** Basic Information ***

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[Create date] 2019/09/05

[Program Name] Printer

[Version] 1.13

[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.] D2625231N

[File Information]

File Name D2625231N.fwu

File Type Module for Service

Size 5.05 MB (5292996 byte)

[File Information]

File Name D2625231N.rfu

File Type Module for Remote Upgrade

Size 5.05 MB (5300480 byte)

[Availability of RFU] Yes

[Production reflection] 2019/10

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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:

- If both Device Manager NX and Enhanced Locked Print NX v2 are installed, printing a job via Enhanced Locked Print NX v2 or logging out might fail.

[Modification history]

Version 1.12

Rank C

Symptom corrected:

- When printing a TIFF or JPEG file to 914mm wide roll paper, using the "Print/Scan (Memory Storage Device)" application, it might be cut before the original image is fully printed.

Version 1.11

Rank C

Symptom corrected:

- When Streamline NX is installed, printing might stall if the file contains pages of mixed size or orientation.

Version 1.10

Rank C

Symptom corrected:

- When printing the Configuration Page, Error Log, or Menu List, the output might be garbled if the display language is set to any of the following:
 - Brazilian Portuguese
 - Catalan
 - Czech
 - Danish
 - Dutch
 - Finnish
 - French
 - German
 - Greek
 - Hungarian
 - Italian
 - Norwegian
 - Polish
 - Portuguese
 - Russian
 - Spanish
 - Swedish
- SC899 might occur when printing a Hold Print file scheduled for a certain time.

Version 1.09

Rank C

Symptom corrected:

- An SC899 error might occur if displaying the print job history on the Web Image Monitor after printing a file with a long name.

Version 1.08

Symptom corrected:

- It might take time to resume a job if it is suspended while the device is in Energy Saver mode.

Other changes:

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

Version 1.07

Symptom corrected:

- An error may occur when trying to display a preview in the Print from Storage Device application.

Version 1.06

Symptom corrected:

1. Poor-quality text is output when printing a job that contains multiple PDL data.
2. When trying to retrieve logging data while printing is suspended, the data might not be completely obtained and the device stall might occur.
3. Notifications are not displayed in MFP applications even if key counter management or external charge unit management is enabled.
4. After an SC reboot occurs, if the dialog window stating that the automatic reboot has occurred is not closed, SDK-J applications cannot be started, which results in an SC990 error occurring.

Version 1.05

Symptom corrected:

- WebPrinting Tool does not start up on Internet Explorer 11.
- An SC899 error might occur when the Printer application starts up, which causes the device to stall.

Version 1.04

Symptom corrected:

While a job is being printed by using Enhanced Locked Print NX v2, some jobs might not start being processed on the device until the current job is finished.

Version 1.03

Fixed:

- The device pauses for 20 to 30 seconds when a job that contains more than 100 pages is to be stapled.
- In the case that a direct print is performed on a device with ELP-NX v2 installed when a document is currently being printed, the device will freeze after printing is complete.

Version 1.02

1st Mass production

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*** Basic Information ***
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[Create date] 2019/08/02

[Program Name] PDF

[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.] D2625239C

[File Information]

File Name D2625239C.fwu

File Type Module for Service

Size 4.56 MB (4785380 byte)

[File Information]

File Name D2625239C.rfu

File Type Module for Remote Upgrade

Size 4.57 MB (4792576 byte)

[Availability of RFU] Yes

[Production reflection] 2019/07

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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:

- A PDF might not print if the previous PDF print job was cancelled manually.
- Printing might be cancelled due to memory leak when using a color profile.
- Images might be missing and an invalid font error might occur when printing a webpage with Adobe Typekit fonts.
- Printing a PDF with a transparent image and a shaded image might take a long time due to memory release processing, and the shaded image might not be printed as expected.
- The device might stall during PDF direct printing if a job contains a Bezier curve.
- The device might stall during PDF direct printing if a spot color is used.
- The device might stall if a job includes text outside the printable area of the page.
- SC899 might occur when printing a PDF file with many characters or typefaces directly or with the PS driver.
- When printing a PDF file that contains graphics or text via PDF Direct, an SC899 error might occur.
- If a PDF contains transparent images, printing might be canceled due to a lack of memory.
- SC899 might occur when printing a PDF file containing a TrueType font.
- Job cancellation or missing image might occur when direct printing a PDF job contains a content stream.

[Modification history]

Version 1.03

Symptom corrected:

1. Printing might be slow when a spreadsheet containing many cells with patterns that are different from the default pattern in the following setting is printed from Microsoft Excel 2013:
 Select "Format Cell", select the "Fill" tab, and change the "Pattern Style" setting
2. PDF file may not be printed via direct print if the PDF file contains True Type fonts.
3. When printing PDF data that includes overprinting via PDF Direct Print, after taking a significant amount of time to print the first few pages in a job, the job might be cancelled.
4. An SC899 error might occur when printing a document that has fewer than four colors for CMYK specified.
5. Images might be missing when printing from the PS3 driver.
6. An SC899 error might occur when printing PS data that contains composite fonts.

Version 1.02

1st Mass production

=====
***** Basic Information *****
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[Create date] 2018/11/06

[Program Name] Engine

[Version] 1.08:05

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2625442G

[File Information]

File Name D2625442G.fwu

File Type Module for Service

Size 16.00 MB (16777716 byte)

[File Information]

File Name D2625442G.rfu

File Type Module for Remote Upgrade

Size 16.01 MB (16785664 byte)

[Availability of RFU] Yes

[Production reflection] 2018/12

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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:

- If the Ink Drying Time is set longer than 30 seconds, initial jam may occur while printing after the machine recovered from the Energy Save mode.

[Modification history]

Version 1.07:05

Other Changes:

- Auto Nozzle Check (Standard mode) is run after the first job of the day completes.

Version 1.06:05

Symptom corrected:

- An abnormal image appears in the copy, if scanned in the maximum scannable range with the output size reduced.

Version 1.05:05

Error Correction:

If a jam occurs while scanning a long original, machine cannot recover from the jam for several minutes.

Version 1.04:05

1st Mass production

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

[Create date] 2019/08/06

[Program Name] SmartCopy

[Version] 1.10

[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.] D2621563K_forEDC

[File Information]

File Name D2621563K_forEDC.zip

File Type Module for Service

Size 6.10 MB (6395770 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***
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[Note]

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

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

[Modifications made:]

Upgrade on the management

[Modification history]

Version 1.09

Rank D

No specification changes. The version number was updated for management purposes.

Version 1.08

Rank C

Symptom corrected:

- Copy application might close with an error dialog, when the application is tried to be opened first time by an user not allowed to use it.
- The last settings of the job might not be listed on Settings History of Copy, Scanner, or Fax application of SOP, in case there are 1,000 settings histories and the user's settings are less than ten on Settings History.

Version 1.07

Rank C

Symptom corrected:

1. After restoring the address book, the data in "Recall Setting History" is overwritten instead of deleted under the following conditions:
 - "Recall Setting History" is set to ON.
 - The sending function has been used before in this application.
 - None of the normal series applications has been used after restarting the device.

Version 1.06

Symptom Corrected:

- In a Copy application, the following processes take time to finish executing:
 - Resetting to factory default settings
 - Registering current settings with the program
- The explanation used in the Settings History window is not correct.
- In a Copy/Scan application, "Recall Setting History" is not fully displayed on the tab.
- The yellow mark indicating activation of a function in the "Other Settings" tab is not correctly displayed.

Other Changes:

- User Information is not included in the debug log.
- The number of application activation times and job execution times can be obtained via @Remote.
- Added the function to set user usage restrictions for each application.
- Smart App icon settings can be moved around the UI.
- Personalized settings can be recalled quickly through the "Recall Setting History" function.

Version 1.05

Other Changes:

- The number of application activation times and job execution times can be obtained via @Remote.

Version 1.04

Specification Change:

- Design of the "Reset" button has been modified.

Version 1.03

Specification Change:

To prevent Cheetah application installation for the wrong device, generation and models of the devices are recognized when installed.

Version 1.02

Error Correction:

- GUI of the copy application was modified to match with other models.
- Confirmation screen appears even if [Check the document orientation after pressing Start] is not ticked.
- Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.01

Specification Change:

- Some of the words are incorrect in several languages.

Error Correction:

- Names of the applications that appear in "Activate Application" and "Update Application" of the service mode are incorrect.

Version 1.00.1

1st Mass production

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

[Create date] 2019/08/02

[Program Name] SmartScan

[Version] 1.10

[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.] D2621564J_forEDC

[File Information]

File Name D2621564J_forEDC.zip

File Type Module for Service

Size 7.31 MB (7670214 byte)

[Availability of RFU] No

[Production reflection] 2019/06

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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:

- Thai character can be entered to Smart Scan/Fax Application (E-mail Subject and Body) even though it will not be reflected on sent E-mail.

[Modification history]

Version 1.09

Rank C

Other changes:

- Some scan sizes of the original cannot be correctly selected on the Scanner Application.

Version 1.08

Rank C

Symptom corrected:

- The last settings of the job might not be listed on Settings History of Copy, Scanner, or Fax application of SOP, in case there are 1,000 settings histories and the user's settings are less than ten on Settings History.

Version 1.07

Rank C

Symptom corrected:

- After restoring the address book, the data in "Recall Setting History" is overwritten instead of deleted under the following conditions:
 - "Recall Setting History" is set to ON.
 - The sending function has been used before in this application.
 - None of the normal series applications has been used after restarting the device.

Version 1.06

Symptom Corrected:

- In a Copy/Scan application, "Recall Setting History" is not fully displayed on the tab.
- The explanation used in the Settings History window is not correct.
- In a Scan application, the following occurs when waiting for the next image to be scanned:
 - An invalid setting can be adjusted.
 - The count timer doesn't stop when a setting is changed.

Other changes:

- Added the function to set user usage restrictions for each application.
 - Smart App icon settings can be moved around the UI.
 - Personalized settings can be recalled quickly through the "Recall Setting History" function.
-

Version 1.05

Other Changes:

- The number of application activation times and job execution times can be obtained via @Remote.

Version 1.04

Specification Change:

- Design of the "Reset" button has been modified.

Error Correction

- When the cover is open or a paper jam occurs while using another application such as Copy or Printer, if "Check Status" is pressed, "Check" is displayed in the Scanner area of the status bar even though Scanner is not being used.

This firmware is dependent on SmartScan firmware v1.11 (D2411456L) or later, so please be sure to update both firmwares.

- After completing a scan operation using the Scanner application, the application may terminate abnormally.

Version 1.03

Spec Change:

- Pop-up message appears to notify that process time will take long when scan-to-email is addressed to a large number of recipients.

Error Correction:

- Factory default of the scanner auto density setting was changed to ON according to spec.
- Error indicating that address could not be found may appear even after the entire address book had been deleted.
- Tapping the image immediately after pressing [SAVE] in the preview screen may cause SC672-12.

Version 1.02

Specification Change:

- Some of the words are incorrect in several languages.
- Several application names were incorrect.

Error Correction:

- Names of the applications that appear in "Activate Application" and "Update Application" of the service mode are incorrect.

Version 1.01

1st Mass production

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

[Create date] 2017/07/10

[Program Name] ScanToME

[Version] 1.07

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2621542C_forEDC

[File Information]

File Name D2621542C_forEDC.zip

File Type Module for Service

Size 3.45 MB (3615321 byte)

[Availability of RFU] No

[Production reflection] 2017/06

=====
*** Note ***
=====

[Note]

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

[Important Notes]

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

=====
[Modifications made:]

Other Changes:

- The number of application activation times and job execution times can be obtained via @Remote.

[Modification history]

Version 1.06

Symptom corrected:

- Preinstalled applications can be accidentally uninstalled from Web Image Monitor

Version 1.05

1st Mass production

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

[Create date] 2019/02/27

[Program Name] Java VM v12 std for eDC

[Version] 12.65.01

[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.] D2625242L_edc

[File Information]

File Name D2625242L_edc.ifu

File Type Module for Service

Size 63.88 MB (66987500 byte)

[Availability of RFU] No

[Production reflection] 2019/02

=====
*** Note ***
=====

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- Errors might be occurred by using the Globalscan.
- When JavaVM launched "NullPointerException" error message may be displayed, and JavaVM startup may fail.
- SDK application might not startup if the Stream Line NX settings changed.

[Modification history]

Version 12.62.00

Rank C

Symptom corrected:

- The package firmware might not be updated if the firmware includes an application that needs to be rebooted when updated.

Other changes:

- Login might fail if attempting to log in with an IC card while the On-demand Print screen is displayed.

Version 12.60.02

Rank C

Symptom corrected:

- Gloria don't start up when power off/on then system settings can't be used.

Other changes:

- Minor changes for its internal operations.

Version 12.57.00

Rank C

Symptom corrected:

- The following issues occur if any device certificate is imported using the Device Manager NX Enterprise Certificate Management Tool.
- Device Manager NX Enterprise fails to retrieve the information about the application(s) installed on the device.
- GlobalScan NX fails to apply profiles or retrieve device information when using the AdminTool.
- Startup may take a long time and SC998 may occur if Streamline NX and CAP v2 are installed.
- The SDK application icon might not be displayed after recovering from energy saving mode under the following conditions:
 - An SDK application is set as a priority function.
 - An SDK application is set as a function key.
- SC899-00 may occur if logging in from a keyboard.
- FAX cannot be transmitted if CAP v2 is installed.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly leading to unexpected errors occurring with JavaVM or bootup failing.
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The SDK application may stop suddenly due to the increase of memory usage.

Version 12.51.01

Symptom corrected:

- SDK applications (e.g. Streamline NX, GlobalScan NX, CAP/ELP) may not be able to start during the boot process due to a Java VM error.
- If only IPv6 is enabled on the device, utility tools (e.g. Device Manager NX family or Streamline NX v3) will fail to install applications remotely.
- Under the following conditions, when performing on-demand printing with the Enhanced Locked Print, the SC899 error might occur.
 - More than 100 connected devices are set as the host name.
 - Host name resolution fails on DNS server.
- When showing the device status via a Solution Product (Streamline and CAP/ELP), the device's HDD capacity is not displayed correctly.

Version 12.47.01

Symptom corrected:

- Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.
- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

Version 12.45.00

Symptom corrected:

1. If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
 2. After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
 3. After logging in to CAP, it may not be possible to print after an error occurs.
 4. SDK application behavior may be incorrect or inconsistent. (CAP/ELP/SLNX/GSNX/etc.)
Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.
 - Cannot log in.
 - Cannot scan.
 - Cannot print.
 - Error message appears.
- etc.

Version 12.40.00

Symptom corrected:

- Sending fax from the document server using IPv4-mapped address may result in an error.
- An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
- If attempted to install an application from Web Image Monitor, installation may fail with an error.

Version 12.33.00

Symptom corrected:

- Document Update of ESA application may fail.
- Machine may reboot without shutting down Java VM.
- Tracking data of the Enhanced Print Volume Use Limitation - option that appears in the user tools system settings menu if installed with the SLNX - is not completely transferred to the ESA application.
- Error may occur, if ESA application is uninstalled with the extended features of WIM.
- Pre-installed application can be falsely uninstalled with the extended features of WIM.
- Application may be not able to use because of not starting Java VM.
- If an ESA application is installed to or uninstalled from multiple PCs via Remote Install Manager or SLNX ADM at the same time, the application may not detect the device status for the other installations/uninstallations.

Other changes:

- Support for the Application Site.

Version 12.24.01

1st Mass production

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

[Create date] 2019/02/27

[Program Name] Java VM v12 std UpdateTool

[Version] 12.65.01

[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.] D2625242L_upd

[File Information]

File Name D2625242L_upd.exe

File Type Module for Service

Size 63.62 MB (66713918 byte)

Check Sum -8Bit Sum: 1820

 -16Bit Sum(Little Endian): 1257

 -16Bit Sum(Big Endian): 25C9

[Availability of RFU] No

[Production reflection] 2019/02

=====
*** Note ***
=====

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- Errors might be occurred by using the Globalscan.
- When JavaVM launched "NullPointerException" error message may be displayed, and JavaVM startup may fail.
- SDK application might not startup if the Stream Line NX settings changed.

[Modification history]

Version 12.62.00

Rank C

Symptom corrected:

- The package firmware might not be updated if the firmware includes an application that needs to be rebooted when updated.

Other changes:

- Login might fail if attempting to log in with an IC card while the On-demand Print screen is displayed.

Version 12.60.02

Rank C

Symptom corrected:

- Gloria don't start up when power off/on then system settings can't be used.

Other changes:

- Minor changes for its internal operations.

Version 12.57.00

Rank C

Symptom corrected:

- The following issues occur if any device certificate is imported using the Device Manager NX Enterprise Certificate Management Tool.
 - Device Manager NX Enterprise fails to retrieve the information about the application(s) installed on the device.
 - GlobalScan NX fails to apply profiles or retrieve device information when using the AdminTool.
- Startup may take a long time and SC998 may occur if Streamline NX and CAP v2 are installed.
- The SDK application icon might not be displayed after recovering from energy saving mode under the following conditions:
 - An SDK application is set as a priority function.
 - An SDK application is set as a function key.
- SC899-00 may occur if logging in from a keyboard.
- FAX cannot be transmitted if CAP v2 is installed.
- The wrong JavaVM firmware can be mistakenly installed on any machine, possibly

- leading to unexpected errors occurring with JavaVM or bootup failing.
- The printing speed is not as fast as the past model if CAP V2 is installed.
- The SDK application may stop suddenly due to the increase of memory usage.

Version 12.51.01

Symptom corrected:

- SDK applications (e.g. Streamline NX, GlobalScan NX, CAP/ELP) may not be able to start during the boot process due to a Java VM error.
- If only IPv6 is enabled on the device, utility tools (e.g. Device Manager NX family or Streamline NX v3) will fail to install applications remotely.
- Under the following conditions, when performing on-demand printing with the Enhanced Locked Print, the SC899 error might occur.
 - More than 100 connected devices are set as the host name.
 - Host name resolution fails on DNS server.
- When showing the device status via a Solution Product (Streamline and CAP/ELP), the device's HDD capacity is not displayed correctly.

Version 12.47.01

Symptom corrected:

- Replacing with a new controller board installed with the latest Java VM version may disallow downgrading to previous version or retrieve customized version and cause trouble for users who wish to use specific or customized versions.
- When the relationship between the host name and the IP address on the DNS server is modified, Java VM might not recognize the change.
- When conducting location-free printing or authentication processing by using a solution product, an SC899 error might occur or Java VM might close unexpectedly and an SC error related to Java VM not responding might occur.
- The DSDK application fails to connect to the LDAP server when using Kerberos authentication.

Version 12.45.00

Symptom corrected:

- If the "Chng Stgs" button is pressed after pressing the "Preview" button in ELP-NX, the "Change Print Settings" configuration may not be set correctly.
- After applying the security update that changes the priority order for cipher suites, SSL communication fails between an application that includes an SSL server function and the Windows operating system.
- After logging in to CAP, it may not be possible to print after an error occurs.
- SDK application behavior may be incorrect or inconsistent.
(CAP/ELP/SLNX/GSNX/etc.)

Both the Standard (Compatibility mode) application and the SOP Optimized (Hybrid mode) application are affected by these issues.

- Cannot log in.
- Cannot scan.
- Cannot print.
- Error message appears.

etc.

Version 12.40.00

Symptom corrected:

- Sending fax from the document server using IPv4-mapped address may result in an error.
- An alert message unrelated to scan operation (for example, JAM) appears across the entire screen of the operation panel, disabling scan operation.
- If attempted to install an application from Web Image Monitor, installation may fail with an error.

Version 12.33.00

Symptom corrected:

- Document Update of ESA application may fail.
- Machine may reboot without shutting down Java VM.
- Tracking data of the Enhanced Print Volume Use Limitation - option that appears in the user tools system settings menu if installed with the SLNX - is not completely transferred to the ESA application.
- Error may occur, if ESA application is uninstalled with the extended features of WIM.
- Pre-installed application can be falsely uninstalled with the extended features of WIM.
- Application may be not able to use because of not starting Java VM.
- If an ESA application is installed to or uninstalled from multiple PCs via Remote Install Manager or SLNX ADM at the same time, the application may not detect the device status for the other installations/uninstallations.

Other changes:

- Support for the Application Site.

Version 12.24.01

1st Mass production

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

[Create date] 2019/08/21

[Program Name] PrinterInfo

[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.] D2621555C_forEDC

[File Information]

File Name D2621555C_forEDC.zip

File Type Module for Service

Size 0.91 MB (957628 byte)

[Availability of RFU] No

[Production reflection] 2019/07

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*** Note ***
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[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- Debug log retrieved from the machine might include information which is not relevant to the machine operation.

[Modification history]

Version 1.03

Symptom corrected:

Pre-installed application can be falsely uninstalled with the extended features of Web Image Monitor.

Version 1.02

Error Correction:

Names of the applications that appear in "Activate Application" and "Update Application" of the service mode are incorrect.

Version 1.01

1st Mass production

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

[Create date] 2017/11/30

[Program Name] PrinterSJob

[Version] 1.70

[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.] D2621556F_forEDC

[File Information]

File Name D2621556F_forEDC.zip

File Type Module for Service

Size 1.11 MB (1164493 byte)

[Availability of RFU] No

[Production reflection] 2017/11

=====
*** Note ***
=====

[Note]

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

[Important Notes]

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

Other changes:

- Added the function to set user usage restrictions for each application.

[Modification history]

Version 1.69

Other Change:

Job Counter is implemented.

Version 1.68

Other changes:

Design of the "Reset" button has been modified.

Version 1.38

Symptom Corrected:

If logged in with the administrator right and a Quick Print Release job that is not set with a password is selected, the Release File Lock button is not greyed out.

Version 1.31

Symptom corrected:

- Pre-installed application can be falsely uninstalled with the extended features of Web Image Monitor.
- When the authentication method is changed while "Quick Print Release" is enabled, the message on the screen is not displayed correctly.

Version 1.14

Specification Change:

Words displayed on the operation panel were added/revised.

Error Correction:

Names of the applications that appear in "Activate Application" and "Update Application" of the service mode are incorrect.

Version 1.00

1st Mass production

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

[Create date] 2018/12/21

[Program Name] Web Support

[Version] 1.08

[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.] D2625225H

[File Information]

File Name D2625225H.fwu

File Type Module for Service

Size 6.68 MB (7002204 byte)

[File Information]

File Name D2625225H.rfu

File Type Module for Remote Upgrade

Size 6.68 MB (7008512 byte)

[Availability of RFU] Yes

[Production reflection] 2019/01

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*** Note ***
=====

[Note]

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

[Important Notes]

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

=====
[Modifications made:]

Rank C

Other changes:

- The following values can be set with solution software that uses SOAP I/F.

"SNMPv3 Setting"

- SNMPv3 Trap Communication
- Encryption Algorithm
- Permit SNMPv3 Communication

"Program/Change Administrator"

- Encryption Password
- Added html format for Scan to Email function.

[Modification history]

Version 1.07

Rank C

Other changes:

- Supported the Remote Panel Operation.

Multiple firmware modules are required to use Remote Panel Operation.

Please refer to GKM Answer ID 251361 for detailed information
regarding required firmware.

Version 1.06

Other changes:

- Added the function to set user usage restrictions for each application.

Version 1.05

Other changes:

- Newly added SMBv2/v3 support.

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

System/Copy v1.11 (D2625221L)

Network Support v15.26.1 (D2625229F)

Web Support v1.05 (D2625225E)

Scanner v01.05 (D2625224F)

animation v1.04 (D2625228E)

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

Version 1.04

Symptom corrected:

- When downloading "Eco-friendly Counter" data in "Status/Information >
Display Eco-friendly Counter", the SYSTEM counter data for that period is not

included in the exported .csv file.

Other changes:

- Added an SP setting for enabling or disabling the "Screen Monitoring" function.

SP5-885-205: default = 0 ("Screen Monitoring" is enabled)

This firmware is dependent on System/Copy firmware v1.07 (D2625221G) or later, so please be sure to update that firmware as well.

Version 1.03

Other changes:

- Changed some font names for the RPGL Menu.

This firmware is dependent on System/Copy firmware v1.05 (D2625221E) or later, so please be sure to update it.

Version 1.02

1st Mass production

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

[Create date] 2019/09/18

[Program Name] animation

[Version] 1.06

[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.] D2625228G

[File Information]

File Name D2625228G.fwu

File Type Module for Service

Size 10.75 MB (11269644 byte)

[File Information]

File Name D2625228G.rfu

File Type Module for Remote Upgrade

Size 10.75 MB (11276544 byte)

[Availability of RFU] Yes

[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 display language is set to Russian, there may be some translation issues on some error messages.

[Modification history]

Version 1.05

Rank D

No specification changes. The version number was updated for management purposes.

Version 1.04

Other changes:

- Newly added SMBv2/v3 support.

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

System/Copy v1.11 (D2625221L)

Network Support v15.26.1 (D2625229F)

Web Support v1.05 (D2625225E)

Scanner v01.05 (D2625224F)

animation v1.04 (D2625228E)

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

Version 1.03

Other changes:

- Changed some font names for the RPGL Menu.

This firmware is dependent on System/Copy firmware v1.05

(D2625221E) and Option MSIS v0.26(D2625241C) or later, so please be sure to update it.

Version 1.02

Symptom corrected:

Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.01

Symptoms corrected:

The [Offset] screen used for setting the device to summer time was falsely translated to mean 'offset printing' in multiple languages.

Version 1.00
1st Mass production

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

[Create date] 2018/03/15

[Program Name] Option MSIS

[Version] 0.28

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2625241E

[File Information]

File Name D2625241E.fwu

File Type Module for Service

Size 0.86 MB (897276 byte)

[File Information]

File Name D2625241E.rfu

File Type Module for Remote Upgrade

Size 0.86 MB (905472 byte)

[Availability of RFU] Yes

[Production reflection] 2018/04

=====
*** Note ***
=====

[Note]

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- Printing jobs from RPGL may cause the grid line and trim line to disappear or appear thinner than expected.

[Modification history]

Version 0.27

Symptom Corrected:

- Printing custom paper size jobs from RPGL may cause the images located around the outline of the printable area to disappear or appear thinner than expected.

Version 0.26

Other changes:

- Changed some font names for the RPGL Menu.
This firmware is dependent on System/Copy firmware v1.05 (D2625221E) and animation firmware v1.03(D2625228D) or later, so please be sure to update it.

Version 0.25

1st Mass production

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

[Create date] 2019/08/02

[Program Name] NetworkDocBox

[Version] 1.03

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(all)

[Firmware No.] D2625227D

[File Information]

File Name D2625227D.fwu

File Type Module for Service

Size 1.86 MB (1950892 byte)

[File Information]

File Name D2625227D.rfu

File Type Module for Remote Upgrade

Size 1.87 MB (1958144 byte)

[Availability of RFU] Yes

[Production reflection] 2019/06

=====
*** Note ***
=====

[Note]

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

[Important Notes]

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

=====
[Modifications made:]

Rank C

Symptom corrected:

- When SmartSDK WebAPI is used for image log and job log notification, there might be a delay if multiple log notifications are sent at the same time.

Other changes:

- Supported RICOH SmartSDK v2.60

[Modification history]

Version 1.02

Rank C

Other changes:

- The following values can be set with solution software that uses SOAP I/F.

"SNMPv3 Setting"

- SNMPv3 Trap Communication
- Encryption Algorithm
- Permit SNMPv3 Communication

"Program/Change Administrator"

- Encryption Password
- Added a new feature for the SmartSDK WebAPI.

Version 1.01

Rank C

Symptom corrected:

- When attempting to back up the address book from Device Manager NX, the backup will fail and printer, copy, scan, and fax jobs cannot be conducted.

Version 1.00

1st Mass production

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

[Create date] 2019/11/06

[Program Name] LanguageWidget

[Version] 1.06

[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.] D2621541F_forEDC

[File Information]

File Name D2621541F_forEDC.zip

File Type Module for Service

Size 0.20 MB (206482 byte)

[Availability of RFU] No

[Production reflection] 2019/10

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

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

[Important Notes]

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

[Modifications made:]

Rank C

Symptom corrected:

- The language displayed on the operation panel might be different from the language set in the "Change Language" widget.

[Modification history]

Version 1.05

Rank C

Symptom corrected:

- The machine might stall if the widgets reboot during a firmware update.

Version 1.04

Specification Change:

- More than five languages can be added to the "Change Langs. Widget" on the smart operation panel.

Version 1.03

Symptom corrected:

Preinstalled applications can be accidentally uninstalled from Web Image Monitor.

Version 1.02

Error Correction:

Names of the applications that appear in "Activate Application" and "Update Application" of the service mode are incorrect.

Version 1.01

1st Mass production

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

[Create date] 2018/08/02

[Program Name] TonerWidget

[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.] D2621544D

[File Information]

File Name D2621544D.zip

File Type Module for Service

Size 0.37 MB (383828 byte)

[Availability of RFU] No

[Production reflection] 2018/08

=====
*** Note ***
=====

[Note]

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

[Important Notes]

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

=====
[Modifications made:]

Rank C

Symptom corrected:

- The machine might stall if the widgets reboot during a firmware update.

[Modification history]

Version 1.03

Symptom corrected:

Preinstalled applications can be accidentally uninstalled from Web
Image Monitor.

Version 1.02

Error Correction:

Names of the applications that appear in "Activate Application"
and "Update Application" of the service mode are incorrect.

Version 1.01

1st Mass production

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*** Basic Information ***
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[Create date] 2019/08/21

[Program Name] LegacyUI

[Version] 1.09

[PCB No.]

[Interchangeability] X / O

[Other Firmware Requirements] None

[PCB Requirements] None

[Software category] Normal Release

[Release category] Normal Release

[Program category] Firmware

Exported to(language) GEN(ja,en,f,e,d,i,nl,s,dk,sf,p,pl,h,cz,ru,sc,br,tr,ca,gr)

[Firmware No.] D2621537H_forEDC

[File Information]

File Name D2621537H_forEDC.zip

File Type Module for Service

Size 11.41 MB (11960142 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:

- Some Large and Small category names for SP numbers are corrected in order to create more natural expressions.
- After returning from energy saving mode, the SmartSDK API that stops the device from changing to a different power saving mode might fail.

[Modification history]

Version 1.08

Rank B

Symptom corrected:

- In case a classic application is selected on function priority setting, the application might not be displayed after recovery from energy saving mode.
- With firmware combination below, the Home button is not displayed, making it impossible to switch between applications.
 - Cheetah System; version 1.30 or older
 - Legacy UI: version 1.23 or newer

Version 1.07

Rank A

Symptom corrected:

-
- The following symptoms might occur:
 - User settings cannot be accessed.
 - Legacy applications do not open.
 - "Please wait" remains displayed.

Version 1.06

Symptom Corrected:

- The SC819 and SC672 alert messages are displayed simultaneously and overlap each other.

Other Changes:

- A new inspection to verify proper coordinates of the Smart Operation Panel was added in the production line.

Version 1.05

Specification Change:

- When starting up the smart operation panel by itself, the start up can be cancelled by pressing and holding the STOP key.

Error Correction:

- Recovery from STR (sleep mode) is slower than expected.
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Version 1.04

Specification change:

- Screen shots of the WIM Screen Monitoring function cannot be taken while in operation.

Version 1.03

Symptom corrected:

Preinstalled applications can be accidentally uninstalled from Web
Image Monitor.

Version 1.02

1st Mass production

<<Package>>

package_ALL [MOCC2a_pk]

D2625271H Ver. 8.00 -> D2625271J Ver. 9.00

<<Separate>>

Engine [MOC2a_eplot]

D2625442F Ver. 1.07:05 -> D2625442G Ver. 1.08:05

System/Copy [MOCC2a_system]

D2625221P Ver. 1.14 -> D2625246A Ver. 1.19

Scanner [MOCC2a_scn]

D2625224H Ver. 01.07 -> D2625224L Ver. 01.10

Web Support [MOC2a_web]

D2625225F Ver. 1.06 -> D2625225H Ver. 1.08

NetworkDocBox [MOCC2a_netfile]

D2625227B Ver. 1.01 -> D2625227D Ver. 1.03

Network Support [MOC2a_net]

D2625229K Ver. 15.30 -> D2625229M Ver. 15.32

Printer [MOC2d_printer]

D2625230H Ver. 1.08 -> D2625230M Ver. 1.12

RPCS [MOC2d_prt_RPCs]

D2625232C Ver. 3.19.17 -> D2625232D Ver. 3.19.18

MOC2d_prt_PDF [PDF]

D26D2625238C Ver. 1.04

Printer [MOC2e_printer]

D2625231H Ver. 1.08 -> D2625231M Ver. 1.12

MOC2e_prt_PDF [PDF]

D26D2625239C Ver. 1.04

M2a_System [M2a_System]

D2621530N Ver. 1.13 -> D2621530T Ver. 1.18

M2a_cspf [M2a_cspf]

D1961430B Ver. 2.02.00 -> D2411433 Ver. 2.02.01

M2a_WLanguage [M2a_WLanguage]

D2621541D Ver. 1.04 -> D2621541E Ver. 1.05

M2a_WTonner [M2a_WTonner]

D2621544C Ver. 1.03 -> D2621544D Ver. 1.04

M2a_SimpleScan [M2a_SimpleScan]

D2621553F Ver. 1.06 -> D2621553G Ver. 1.07

M2a_PrinterInfo [M2a_PrinterInfo]

D2621555B Ver. 1.03 -> D2621555C Ver. 1.04

M2a_PrinterSJob [M2a_PrinterSJob]

D2621556F Ver. 1.70 -> D2621556H Ver. 1.72

M2a_MeidaPrtScn [M2a_MeidaPrtScn]
D2621557G Ver. 1.09

M2a_SmartCopy [M2a_SmartCopy]
D2621563F Ver. 1.06 -> D2621563K Ver. 1.10

M2a_SmartScan [M2a_SmartScan]
D2621564E Ver. 1.06 -> D2621564J Ver. 1.10

Application Site [M2a_zoo]
D2411467K Ver. 1.05.02 -> D2411467M Ver. 1.05.04

M2a_LegacyUI [M2a_LegacyUI]
D2621537E Ver. 1.06 -> D2621537H Ver. 1.09

M2a_KrbServ [M2a_KrbServ]
D2411430A Ver. 1.02.00

M2a_ICCDisptch [M2a_ICCDisptch]
D2411450D Ver. 2.13.00

M2a_RemPnlOpe [M2a_RemPnlOpe]
D1961458B Ver. 1.1