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*** Basic Information ***
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[Create date] 2020/01/08

[Program Name] MAIN-PDL

[Version] 1.16

[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.] M2045655Q

[File Information]

File Name M2045655Q.zip

File Type Module for Service

Size 10.83 MB (11352046 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:

- A vulnerability (CVE-2019-14299) to Brute Force Attacks on the Web Image Monitor has been fixed.
- A vulnerability (CVE-2019-14309) to FTP hardcoded credentials has been fixed.
- A vulnerability (CVE-2019-14310) to Denial of Service Attacks Parsing IPP Packets has been fixed.
- A vulnerability (CVE-2019-14303) to LPD Denial of Service by Sending a Queue command has been fixed.

Specification change:

- If administrator authentication on the Web Image Monitor fails ten times in a row, the device will need to be rebooted before logging in again.

[Modification history]

Version 1.15

Rank C

Symptom corrected:

- A vulnerability (CVE-2019-14302) to allowing access to memory data via the UART port has been fixed.
- A vulnerability (CVE-2019-14301) to unauthenticated access to the debug page in the Web Image Monitor has been fixed.
- A vulnerability (CVE-2019-14304) to Cross-Site Request Forgery in the Web Image Monitor has been fixed.
- A vulnerability (CVE-2019-14306) to unauthenticated access to backup files in the Web Image Monitor has been fixed.

Version 1.13

Rank C

Symptom corrected:

- A vulnerability (CVE-2019-14300) to buffer overflows parsing HTTP cookie headers has been fixed.
- A vulnerability (CVE-2019-14305) to buffer overflows in some setting values has been fixed.
- A vulnerability (CVE-2019-14307) to a denial of service attack on setting SMTP values has been fixed.
- A vulnerability (CVE-2019-14308) to a potential buffer overflow sending a crafted LPD packet has been fixed.

Version 1.12

Rank C

Symptom corrected:

- The device might stall during printing if TrueType Font is used.
- The following symptom was corrected to support MacOS 10.14:
If the interpolation function (image smoothing) was used in the PS data,

images might be missing when printing.

Version 1.11
Rank C

Symptom corrected:

- The "Flash Diagnostic Failed" message is displayed and the machine freezes.

Version 1.10
Rank C

Symptom corrected:

The machine might not fax the correct document if all of the conditions below are met:

- The setting to forward received faxes to a PC folder is ON.
- The Auto-Print setting for received faxes is OFF.
- In a very busy network environment, the customer unplugs the machine immediately after receiving a fax.

Version 1.09
Rank C

Symptom corrected:

- A vertical band the width of the CIS sensor chip might appear on a black and white scanned halftone image.

Version 1.08

Symptom corrected:

- When "DHCP" is set to "Active" and "DNS Method" is set to "Auto-Obtain (DHCP)", an extra character is added in the domain name.
- The carriage does not return to the scanner home position if a job is cancelled during scanning.

Version 1.07

Symptom corrected:

An error may occur, if ScanToFolder is run while a shared folder is open. FAX functions (both sending and receiving) do not work under the specific condition.

The machine does not recover from the energy saving mode, if any key is pressed on the operation panel.

Version 1.06a

Symptom Corrected:

- Rarely a page of PC fax is sent to a wrong address when the CPU becomes very busy sending multi jobs continuously to different addresses.

Version 1.05

Symptom corrected:

1. When "DHCP" is set to "Active" and "DNS Method" is set to "Auto-Obtain (DHCP)", an extra character is added in the domain name.
2. After rebooting Mac OS X in a wireless LAN environment, printing cannot be conducted and a printer cannot be added to the operating system.

Other changes:

- In Mac OS X 10.11, if the "Queue" field is blank when adding a printer by specifying its IP address, the operating system experiences a significant delay in response time.

Version 1.04

Specification change:

The following functions were added to the Chinese model:

- Simplified Chinese can be selected as one of the language settings for the operation panel display.
- "Report" in Simplified Chinese can be printed out from User tools.

Symptom corrected:

1. When a document is set in the ADF and Scan to Folder in color is conducted, scanned image data might be broken.
2. When performing duplex printing from certain systems, the edges of images might be cut off.
3. When updating the MAIN-PDL firmware by using the firmware update tool, firmware updates that exceed 10 MB and are conducted over a network fail.

Note: When updating MAIN-PDL firmware ver.1.04 or later, please be sure to use firmware update tool v1.01, which is included in the package.

Version 1.02

Specification change:

- Scan to Folder support for Mac OS X v10.10.

Symptoms corrected:

- Scan to e-mail does not work when using SMTP server with IP Address 128.0.x.x.
- Entire fax transmission sounds are heard from the speaker.
- DHCP Option12 (Hostname) are not transmitted from the machine to the DHCP server.
- Fax forwarding is not possible using Wi-Fi connection.
- When in FAX/TAD mode, machine switches to FAX unintendedly.
- When using a Linux PCL driver, long-edge binding job is printed as short-edge binding.
- When using a Linux PCL driver, printing a job with zoom settings stalls the machine.
- When using a Linux PCL driver, simplex legal size job is printed as duplex.

Version 1.00g

1st Mass production