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*** Basic Information ***
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[Create date] 2020/01/15

[Program Name] Main

[Version] 1.32

[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.] M0185655P

[File Information]

File Name M0185655P.zip

File Type Module for Service

Size 2.30 MB (2410331 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-2019-14306) to unauthenticated access to backup files in the Web Image Monitor has been fixed.
- 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.

[Modification history]

Version 1.31

Error Correction:

- An error may occur, if ScanToFolder is run while a shared folder is open.

Other changes:

- Support of Mac OS 10.12(Sierra)

Version 1.30

Error Correction

FAX functions (both sending and receiving) do not work under the specific condition.

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 1.29

Symptom corrected:

- Fixed the XSS vulnerability on Web Image Monitor.
- After receiving a fax, message "Printing Process" appears and the printer stalls.

Other changes:

- The Scan to Folder function is available for Mac OS X 10.7, 10.8, 10.9, and 10.10.

Version Ver.1.26

Symptom corrected (from the previous version):

The counter value displayed on the LCD does not count up when two or more copies are made.

Note: The Copier counter values stored in the machine and printed on the configuration page are correct.

Version Ver.1.25

Other changes:

Minor speed improvements when printing back to back jobs (SP C231SF only)

Supports the "Fax number confirmation" feature.

Note:

- This feature allows you to re-enter a fax number to confirm that it is correct before sending out a fax (default: Disabled).
- To enable this feature, access: [User Tools] > [Admin Settings] > [Fax # confirmation].
- The [Fax # confirmation] setting appears only when [Admin Menu Lock] is enabled.

Symptom corrected:

The "Scan to FTP Settings" > "Sender (Optional)" setting has no effect.

No E-mail are sent.

Web Image Monitor contained Polish and Finnish wording errors.

Multiple collated copies on SP C231SF might result in some of the following problems:

- 1) The content of 2 separate pages is printed on a single page.
- 2) Blank pages occur randomly throughout the printed document.
- 3) Discoloration of color pages.
- 4) MFP hang up.

Note1: This fix also requires that DDST driver v1.17 or later be used.

Note2: SP C232SF is unaffected.

If the "Machine Settings" > Fax > OK button is pressed and password entered, the device Fax tray will be changed to Tray 2 even though the WIM setting still appears to be set to Tray 1. This occurred even if the device did not have a Tray 2 and could result in the inability of the fax function to print anything (incoming faxes, fax reports).

Wording errors appear on the Configuration Page (Spanish, Swedish) and on the operation panel display (Swedish).

A FAX cannot be sent via immediate transmission if the receiving machine (not of our make) mistakenly detects the FAX signal as the line cut signal.

Only for service representatives

The EEPROM cannot be initialized in service maintenance mode when it is replaced due to an SC error.

Version Ver.1.14a

Symptom corrected:

"RX Comm. Error 200080" is sometimes displayed during FAX reception (after the machine has received a few pages).

TWAIN scans performed over a USB connection might be rejected with the message "MFP is Busy!" shown on the operation panel.

Other changes:

The operator can now switch to ID Card Copy mode just by pressing

the Shift key. (Previously, it was necessary to press "Reduce/Enlarge", the "Up" or "Down" scroll key, and "OK").

Version Ver.1.11

Symptom corrected:

1. The Scan to E-mail header contained "charset=UTF8" instead of the correct "charset=UTF-8". This prevented Scan to Emails from being accepted by some mail servers.
2. Scan to E-mails might not be sent. If the IP address in the HELO command is not enclosed in square brackets (as specified by RFC 2824), it might not be accepted by some mail servers.
3. Unable to access the MFP (i.e. WIM or printing) using the hostname if the hostname has been changed to anything other than the default.
4. Sometimes, "Telephone" is displayed when a FAX is received.
Note: This occurs if the PABX emits a signal greater than 25V for a FAX. In this firmware, "35V" was added to the Off-hook Level setting in [FAX Maintenance]->[Rx Settings]. ([FAX Maintenance] is adjusted by service representatives.)
5. The machine may freeze when a communication error caused by noise occurs while receiving a Fax.Note: Turning the main power OFF/ON can clear this condition.
6. The inverted question mark ("?") was missing from some LCD displays in Spanish.

Other changes:

1. "Overall Ringings w/TAD" (FAX/TAD mode) can now be changed.
Settings: 1-20 (default: 5).
Note: Please keep in mind that this sets the maximum number of rings that the machine will allow from a transmitting Fax machine, not the actual number of rings that will be tried.
For example, if you set "Overall Ringings w/TAD" to a value of 10, but the transmitting Fax machine is only set to use a maximum of 5 rings, the connection will be broken by the transmitting machine if communication is not established within 5 rings.
2. The default for the Energy Saver Mode 2 timer was changed from 15 minutes to 2 minutes (SP C232SF only).
3. The function for acquiring the counter information through the network by @remote has been improved.

Version Ver.1.07

Symptom correctedFAX: The machine may freeze if the following operation is performed:While the machine is scanning an original for Memory Transmission on the exposure glass, the Stop key is pressed and the Copier is selected, and then the Start key is pressed.

Copier: The paper size is displayed incorrectly when 210x297 is selected as the custom paper size and the RETURN key is pressed.

Copier: Paper cannot be fed from Tray 2 when copying in duplex mode if Tray 1 contains paper not supported by the duplex feature and Tray 2 contains paper that is supported by the feature.

FAX: The line tone can be heard when the ON Hook Dial key is pressed, even though the Line Mon. Vol. setting is "0" (off).

Web Image Monitor (WIM)The WIM GUI may freeze when a file is

selected for restoration and OK is pressed (MAC OS only).
Scan to FolderIP packet TTL has been changed from 4 to 64.
Scan to FolderScan to Folder now supports Windows domain environments.
Other changeScan to E-mail will fail if the MFP's SMTP server
setting contains the server's CNAME (instead of IP address).
FAX: The Speed Dial search function was improved so that all
entries containing the specified keyword are included in the
search results (not just exact matches). In addition, a scroll
bar has been added for scrolling through the search results.
The print cartridge (toner cartridge) counters will now be
printed on the Maintenance Page.

Version 1.02
Initial Release for the China models.

Version 1.01a
Initial Release for US and Europe models.