==============================================================================
*** Basic Information ***
==============================================================================
[Create date] 2019/01/25
------------------------------------------------------------------------
[Program Name] Main
------------------------------------------------------------------------
[Version] 2.09
------------------------------------------------------------------------
[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.] M0125051P
[File Information]
 File Name       M0125051P.exe
 File Type       Module for Service
 Size          4.86 MB ( 5091751 byte )
 Check Sum -8Bit Sum: BC28
        -16Bit Sum(Little Endian): 6633
        -16Bit Sum(Big Endian): 7DF5
[Availability of RFU] No
------------------------------------------------------------------------
[Production reflection]
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==============================================================================
*** Note ***
==============================================================================
[Note]

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

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

[Modifications made:]
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.


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[Modification history]
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Version 2.08
Symptom corrected:
- Scan to E-Mail does not work.
- When "DHCP" is set to "Active" and "DNS Method" is set to "Auto-
  Obtain (DHCP)", an extra character is added in the domain name.


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.


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Version 2.06
 Symptom corrected:
1. The gateway address might be cleared when its lease from the DHCP
   server expires, which would cause the related connections to
   other segments to fail.
2. When printing certain data, thin lines might not appear or
   multiple dashes might be printed.


Other changes:
Supports continuous printing on Linux via USB.


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Version 2.05
Symptom corrected:
1. If accessing the printer from a specific IP address
   (192.0.0.0/24), the job cannot be printed.
2. The PCL5 algorithm for variable-width fonts is applied to
   fixed-width fonts. This caused line widths to be inconsistent and
   might have affected the placement of other objects on the page.
   (GFPR#RE12060006)
3. When printing a specific PS job, an "ERROR: limitcheck" error
   occurs because, depending on the data that was sent, the memory
   is full.(GFPR#RE12060001)


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Version 2.04
Symptom corrected:

Jobs of at least 204792 bytes in size submitted via the network
might result in a buffer overflow and the job being reset.


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Version 2.03
Symptom corrected:
1. The XSS vulnerability on Web Image Monitor.
2. PS jobs containing specific fonts types are cancelled with the
   following PS error (error only output if the "Error Report"
   setting is enabled):
   ERROR: unregistered
   OFFENDING COMMAND: show
3. If "Blank Page Print" is enabled "= Not Print", consecutive PCL
   jobs containing trailing blank pages will have anomalies such as
   garbled characters.
4. Engine firmware v2.0 or later, which supports the new CPU, cannot be updated.


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Version 2.01
Other changes:
IPv6 is now supported.
To follow is a list of drivers and utilities that support the use of IPv6:
Windows:
 - PCL XL mono driver v1.60
 - PS3 mono driver v1.0.1.60
 - Smart Organizing Monitor v1.60
Mac OS:
 - Smart Organizing Monitor v1.60


IPsec is now supported.
To follow is a list of drivers and utilities that support the use of IPsec:
Windows:
 - PCL XL mono driver v1.60
 - PS3 mono driver v1.0.1.60
 - Smart Organizing Monitor v1.60
Mac OS:
 - Smart Organizing Monitor v1.60

Symptom corrected:
1. If a PCL job contains a PJL comment of 253 bytes or more, it will
   cause the device to hang-up.
2. The printing of JPEGs as PCL 6 data might result in the job being
   cancelled and a PCL XL error being output.
3. Auto tray selection is applied to PCL5 jobs even if the job
   explicitly defines a source tray.


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Version 1.21
1st Mass production

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================================================================================
*** Basic Information ***
================================================================================
[Create date] 2019/01/25
--------------------------------------------------------------------------------
[Program Name] Main
--------------------------------------------------------------------------------
[Version] 2.12
--------------------------------------------------------------------------------
[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.] M0165051X
[File Information]
 File Name        M0165051X.exe
 File Type        Module for Service
 Size             5.52 MB ( 5785702 byte )
 Check Sum -8Bit Sum: 4FBC
          -16Bit Sum(Little Endian): 5E54
          -16Bit Sum(Big Endian): AD68
[Availability of RFU] No
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[Production reflection]
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================================================================================
*** Note ***
================================================================================
[Note]

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

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


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[Modification history]
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Version 2.11
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)


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Version 2.10
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.

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.


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Version 2.09
Other changes:
- Scan to folder is available for Mac OS X 10.7~10.10


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Version 2.08
 Other changes:
- Supports continuous printing on Linux via USB.

Symptom corrected:
1. If printing data that includes a thin line using PCL6 driver,
   multiple dashes might be printed.
2. The gateway address might be cleared when its lease from the DHCP
   server expires, which would cause the related connections to
   other segments to fail.
3. The machine may stall and continually display "Printing..." if a
   FAX is not received properly over a weak connection with ECM
   Reception disabled.
4. Undefined codes are displayed in the OPC Alert Status in
   Maintenance mode.

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Version 2.07
Symptom corrected:
1. Stored FAX documents that have already been printed out may be
   printed out again under the following conditions:
   - A separate FAX document larger than A4 in length is divided
     into multiple pages and printed out
   - After this, the machine main power is turned OFF/ON
2. The PCL5 algorithm for variable-width fonts is applied to
   fixed-width fonts. This caused line widths to be inconsistent and
   might have affected the placement of other objects on the page.
   (GFPR#RE12060006)
3. When printing a specific PS job, an "ERROR: limitcheck" error
   occurs because, depending on the data that was sent, the memory
   is full.(GFPR#RE12060001)
4. If accessing the printer from a specific IP address
   (192.0.0.0/24), the job cannot be printed.


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Version 2.05
Symptom corrected:
Jobs of at least 204792 bytes in size submitted via the network
might result in a buffer overflow and the job being reset.


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Version 2.04
Other changes:
Shortened the time it takes for the first copy to be made in cases
where the original is scanned on the exposure glass and
enlargement/reduction is used.


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Version 2.03
Symptom corrected:
1. The XSS vulnerability on Web Image Monitor.
2. PS jobs containing specific fonts types are cancelled with the
   following PS error (error only output if the "Error Report"
   setting is enabled):
   ERROR: unregistered
   OFFENDING COMMAND: show
3. Engine firmware v2.0 or later, which supports the new CPU, cannot be updated.


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Version 2.01
Other changes:
IPv6 is now supported.
To follow is a list of drivers and utilities that support the use of IPv6:
Windows:
 - PCL XL mono driver v1.60
 - PS3 mono driver v1.0.1.00
 - Network TWAIN Driver v1.60.0.0
 - USB TWAIN/WIA Driver v1.60.0.0
 - LAN Fax driver v1.60

Mac OS:
 - TWAIN driver (Mac OS X 10.6 or later) v2.60.0
 - TWAIN driver (Mac OS X 10.5 or earlier) v1.6.00


IPsec is now supported.
To follow is a list of drivers and utilities that support the use of IPsec:
Windows:
 - PCL XL mono driver v1.60
 - PS3 mono driver v1.0.1.00
 - Network TWAIN Driver v1.60.0.0
 - USB TWAIN/WIA Driver v1.60.0.0
 - LAN Fax driver v1.60
Mac OS:
 - TWAIN driver (Mac OS X 10.6 or later) v2.60.0
 - TWAIN driver (Mac OS X 10.5 or earlier) v1.6.00

Symptom corrected:
1. If a PCL job contains a PJL comment of 253 bytes or more,
   it will cause the device to hang-up.
2. The printing of JPEGs as PCL 6 data might result in the job being
   cancelled and a PCL XL error being output.
3. Auto tray selection is applied to PCL5 jobs even if the job
   explicitly defines a source tray.


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Version 1.62
Symptom corrected:

1. FAX reception is not blocked while the machine is still in an SC
   (error) condition.
2. Sometimes, maintenance mode cannot be accessed when a fusing-
   related error occurs.
3. SC688 may occur after printing out a large quantity of
   transmission reports.
4. The machine may stall if the memory becomes full when sending an
   LG sized document.
5. Images may be shifted if they are sent as Locked Print jobs while
   the machine is still in Energy Saver mode.
6. A PC Fax job may not be sent when the following conditions are
  met:
 - The machine receives the PC Fax at the same time it receives an
   incoming (outside) Fax
 - The previous job was also a PC Fax, and the job was cancelled

7. A PC Fax may not be sent if an outside Fax is received while the
   PC Fax memory is full.


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Version 1.59
Other changes:
1. FAX and PC-FAX control were further improved.


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Version 1.58

Symptoms corrected:

1. If a PC-FAX is received or the handset is taken off the hook while
   the machine is switching over to Energy Saver Mode (a period of
   500ms), the machine stalls and the FAX document is not printed
   out. Although the document is still in temporary memory, it will
   be deleted after the main power is turned off.


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Version 1.56
Symptoms corrected:
1. Although the reception result shows OK, a received Fax may not
   be printed out after the Job No. changes from "999" to "001".
2. A FAX cannot be sent via immediate transmission if the receiving
   machine (produced by a different manufacturer) mistakenly detects
   the FAX signal as the line cut signal.
3. After a paper jam is cleared, the job resumes and is completed
   but the registration of the image on the paper may be incorrect.
4. Scan to USB might produce an image with random anomalies. When
   one of these images is opened in an image viewer or PDF reader,
   the application will likely show an error message.
5. Web ImageMonitor contained Finnish wording errors.
6. 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).
7. An MS-Word document submitted as a duplex job and containing a
   textbox that is too small to display all the text within it,
   might cause the MFP to stall.
8. The PCL font list contains a font called "Albertus Medium Semi
   -Bold". The correct name is "Albertus Medium".
9. Overlapping rectangles in PowerPoint documents might be printed
   as transparent. This only occurred if the job was submitted with
   Color Mode = BW, by the PCL6 driver.
Other changes:
1. Supports the use of the FAX Number Confirmation feature with WIM.
2. Minor speed improvements when printing back to back jobs. (PCL job only)


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Version 1.41
Symptom corrected:
On rare occasions PS jobs of 2 or more pages might have made the
printer stall.
Other changes:
A FAX number confirmation feature was added to prevent FAXes from
being sent to unintended recipients.



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Version 1.30
1st Mass production