

December 10, 2021

## Honeywell Barcode Printer Firmware Release Notes MR18.1

This is the Fiji Firmware Engineering Release document for Fiji MR18.1 release for Fiji platform printers.

The firmware release consists of below files:

- Firmware file
- Bootloader

### **This release includes**

- PDF Direct Printing
- Cellular Modem Support on PM45
- Smart Pre-Parser
- Applicator support in ZSIM (PX940 and PM45)
- DPI emulation for FP
- PM42 GPIO function
- PM42-LSS issue-Last label sticks to Platen roller(PCR 36296)
- Security fixes for all Fiji platform printers.
  - o Updated libraries (curl, libssh, NTP, ppp, OpenSSH, Net-SNMP)
  - o Improve printer web page security including HTTPS
  - o Disable HTTP by default
  - o Linux Kernel 5.10.9 update
- Virtual keypad in C# and FP for printer model without physical numeric keypad, PX940 and PM45
- 802.1x over Ethernet
- Overall enhancements for Verifier
  - o Graphic barcode support
  - o IPL Verifier Status response
  - o Void and Print Next verification failure option
- Expanded barcode support for Verifier

- o QR Model 1
- DPL XML printing support on 9100 port
- FP/DP partial and full cut commands
- Connectivity defect fix
- General defect fix

## MR18.1 Release Improvements

JIRA key	Summary
FIJI-6219	Add DPI emulation for Fingerprint
PM43RFH2091	Disable HTTP by default
PM43RFH1837	CSharp - virtual keypad support - design
FIJI-30252	Support Atrix7 FPGA on PM43
PM43RFH-2472	Add option to set gigabit ethernet or default (10/100mbps)
FIJI-30274	DHCP address not acquired on FIJI printers
PM43RFH-2405	Add the 802.1x over Ethernet feature to PM45
PM43RFH-2424	Remove startup trace with parallel port
PM43RFH-2377	Applicator does not have commands to check all IO ports and relays
FIJI-30177	UI time display is updated too late
PM43RFH-2323	Status and information
FIJI-30149	Enable PDF for PX240
FIJI-6373	Factory tool for Kili updated RFID module - bri cmd
FIJI-30982	Add functest to read IMEI from cellular modem.

## PCR

JIRA key	Summary
FIJI-6784	PCR 36505 - Need Kanji JIS for PC43/PM42/PM43/PX200
FIJI-6727	PCR 37400 - PX940V IPL Verifier Status response
FIJI-6622	PCR 36243 - PX940V feature improvement : EMAIL settings
FIJI-6488	PCR-36579 PM42 add GPIO function
FIJI-6422	PCR 35845 - Change DIR command behavior
FIJI-6408	PCR 35211 - Simplified Chinese Menu
FIJI-6407	PCR 36002 - PX940V "VOID AND PRINT NEXT" verification failure option required by customer
FIJI-6368	PCR 35433 - USPS IPL - MSWYB Issues
FIJI-6355	PCR-35370 PX940, ZSim does not support the Applicator Subtask 3 Add UI support to display
FIJI-6354	PCR-35370 PX940, ZSim does not support the Applicator Subtask 2 Enable applicator settings
FIJI-6353	PCR-35370 PX940, ZSim does not support the Applicator-Subtask 1 ADD ^JJ
FIJI-6318	PCR 35433 - USPS / PX4ie / PX940x - SASWYB rendering issues
FIJI-30021	PCR38505 - Expand Textbox Line Limit in C#.
FIJI-29906	PCR 37361 - PX940V- QR mode1 & small quiet zone support.
FIJI-30152	PCR 38377 - DPL XML printing support on 9100 port for Fiji Platform printers
FIJI-29965	PCR 36835 - FP/DP to support writing odd number characters to RFID tag
FIJI-29947	PCR 37400 - IPL Media Low Status

## EWR Fixe

JIRA key	Summary
FIJI-6402	EWR 35435 - USPS IPL - label alignment issue after importing XML configuration
FIJI-6795	EWR 37970 -PC43 Fingerprint PRBOX Line delimiter problem
FIJI-6782	EWR 37951 - PM43 eth and wifi bridging
FIJI-6776	EWR 37885 - PX4ie prints SPACE problem in IPL mode

FIJI-6774	EWR 37829 - PC23d display freezing when using custom background image in IPL
FIJI-6771	ERR: Printer did not pause printing when Pause mode was triggered
FIJI-6752	EWR 37754 - PX4ie-400dpi-Missing labels from batch printing via drivers
FIJI-6711	EWR 37576 - PX4iE sending fingerprint program blocks the printer when sending file from Linux
FIJI-6709	EWR 37595 - PM43 IPL batch printing issues with MR17
FIJI-6703	EWR 37490 -Smart Parse FW on PC42T and Darkness issue
FIJI-6702	EWR 37496 - PX4ie get different printout with PX4I in IPL language
FIJI-6701	EWR 38039 - ZSI on the PM43 does not translate the hexcodes correctly and create an incorrect Aztec barcode
FIJI-6678	EWR 37411 - PC43 and PD43 ZPL Printfile does not print fully (part of 2D code and text is missing)
FIJI-6671	EWR 37388 - PRBUF slower and slower when print position moves away from PP1,1 = much slower than PX4 legacy
FIJI-6655	EWR 37280 - PX940V FP Application issue
FIJI-6643	EWR 37161 -PM43 Firmware (System Name Changed After Printer Reboot)
FIJI-6633	EWR 37167 - PX4ie FTP of picture file to tmp: will not register file as an image in printer
FIJI-6614	EWR 37097 - RR Donnelley/px6ie/ZPL code not interpreted correctly
FIJI-6612	EWR 37098 - ZSIM - Inverse barcodes not printing correctly
FIJI-6608	EWR 36950 - PX4iE 400dpi replace PX4i, the printout is losing some content
FIJI-6607	EWR 37006 - PX4iE-IPL-Get different printout vs PX4i.
FIJI-6595	EWR 36300 - PM43/IPL - duplicate label after pause/continue and no status for pause mode
FIJI-6588	EWR 36914 - PX940V Fingerprint on-screen custom key images are not showed again after pressing icons on the top line
FIJI-6567	EWR 36811 - PX4iE--Not compatible with PX4C scripting
FIJI-6508	EWR 36727 - PX6ie 300dpi-DP-Fonts print position issue vs PX6i
FIJI-6507	EWR 36714 - ZSim-Incorrect GS1 128 barcode PM42 vs Zebra
FIJI-6497	EWR 36664 - PM43/PX940 unable to process SOH<C>SOH<B> in a single line
FIJI-6493	EWR 36655 - Date Switches when using multiple printers when firmware upgraded

FIJI-6474	EWR 36555 - PX4ie - Incorrectly printing shipping labels
FIJI-6468	EWR 36498 - PX6ie - The positioning of the characters are not correct when using greek fonts in IPL
FIJI-6464	EWR 36475 - PX4ie 203dpi-IPL-Printed text/Image in wrong rotation
FIJI-6463	EWR 36450 - FF command sent to printer give error. PX940V
FIJI-6460	EWR 36434 -PM43-Zsim Print image incorrect
FIJI-6454	EWR 36357 - Kaiser PX4ie Memory full error
FIJI-6441	EWR 36300 - PM43 Failures - Buffer Full Status Freeze
FIJI-6440	EWR 36293 - PX4ie prints extra label of previous layout
FIJI-6438	EWR 36277 - The PX940A cannot boot successfully
FIJI-6436	EWR 36288 - Datamatrix has wrong content
FIJI-6433	EWR 36245 - ^PA in autoexec.zpl - PM series
FIJI-6432	EWR 36248 - PM42 - EPL Pause/continue issue
FIJI-6429	EWR 36206 - PX4iE sending fingerprint program blocks the printer
FIJI-6426	EWR 36183 - Feedback mode PEN/PEY not producing correct results
FIJI-6414	EWR 36125 - Kaiser PX4ie does not set serial parameters from setup file
FIJI-6404	EWR 36055 -PX4iE lost Image in Printout
FIJI-6387	EWR 35896 - PX940 ZPL ^FH ISSUE
FIJI-6385	EWR 35894 - Kaiser - Fingerprint application will not load at reboot
FIJI-6384	EWR 35877 - Wifi password deleted
FIJI-6383	EWR 35867 - PX6ie the DSR signal on UART1
FIJI-6357	EWR 35795 - PX940A doesn't printing after receiving ZPL scripts
FIJI-6343	EWR 35758 - PX940A-ZPL scripts Text print position error
FIJI-6342	EWR 35662 - Out of Ribbon when verification failed using customer script [The printer is printing out two labels without any pause of the jobs]
FIJI-6275	EWR 35540 - PM42 with Loftware DPL
FIJI-6273	EWR 35535 - Feedback characters do not work on PM42

FIJI-6271	EWR 35533 - PC42D-DPL printing effect is different with E-Class Mark III printer
FIJI-29917	EWR 36896 -PX4ie/6ie - Date and time not shown on the display intermittently
FIJI-30139	EWR 38860 - PX4iE gets "Memory full" error after being idle
FIJI-30165	EWR 38911 - PM43 Arial Narrow font intercharacter spacing narrower compare to M-4206
FIJI-30052	EWR 38457 - PX940V IPL Print with skip one blank label when void label
FIJI 30130	EWR 38844 - PX940A-ZSIM-Datamatrix lost the last data
FIJI-30032	EWR-38508 - PX4iE with applicator card sometimes print two labels.
FIJI-30117	EWR 38804 - PM43 printer LPRNG component version issue
FIJI-29996	EWR 38433 - PD43 LCD locks up when inputting Fixed IP address(LAN)
FIJI-30126	EWR 38837 - PC43 blocks when printing in Esim
FIJI-6625	EWR 36763 - PX940V-Printing is slow in asynchronous working mode with VII program
FIJI-30108	EWR 38760 - Databar expanded stacked not printing in DPL on PM43
FIJI-30119	EWR 38807 - PX4ie Logo Discrepancy
FIJI-6689	EWR 37449 - PC43t print black mark label (4*10inch) with paper out error
FIJI-6713	EWR 37507 - PC43t gives "next label not found" error or reboots when sending DPL format
FIJI-30083	EWR 38740 - Headdown action fails to perform after settings bat file being loaded to "tmp:setup.sys"
FIJI-30022	EWR 38498 - PX4ie/6ie retracts instead of printing test label
FIJI-30081	EWR 38742 - PC43d Smart Printing textbox limits the max number of lines to 20
FIJI-30073	EWR 38623 - ZPL ^TB text block command not working on PC42
FIJI-30037	EWR 38563 - IPL script get different printout on PX940 printer
FIJI-30040	EWR 38579 - PM43 ZSim2 Not printing ZPL labels in the same way as ZM400/ZT510
FIJI-30104	EWR 38552 - PM42 EAP-TLS via Ethernet
FIJI-29922	EWR 38125 - PM43 IPL Top Adjust not Sufficient
FIJI-30008	EWR 38462 - PC42t blocks with ESIM file

FIJI-30059	EWR 38650 - PC42T issues to print reverse labels
FIJI-30036	EWR 38546 - PM43 Print mode changing from Cutter to Tear off when printing via driver
FIJI-6670	EWR 37351 - PX4IE-300DPI,the printout letter strokes is bent issue
FIJI-6651	EWR 38506 - PX940 printhead strange mileage. Print head odometer and Print Statistics show in Webpage and UI is incorrect
FIJI-29958	EWR 38299 - PD43 - <SOH>C and <SOH>B in DPL
FIJI-6757	EWR 37784 - Kaiser PX4ie - Language issue
FIJI-29986	EWR-38336 - PX940-Printer will display "Out of Ribbon" error when printing
FIJI-29964	EWR 38326 - PX940A-ZSim-Incorrect QRcode position if legacy mode enable
FIJI-6603	EWR 37046 - PM42 - EPL Pause/continue issue.
FIJI-29905	EWR 38044 - Px6ie - Edrain/Queue Full error
FIJI-6783	EWR 37794 - PC42 with MR17 missing spaces in ZPL
FIJI-6621	EWR 37110 - PX940 Zsim is different from the reference printer
FIJI-29932	EWR 38163 - PC43t Wifi signal status icon on display is not working
FIJI-6796	EWR 37967 - PM42-DPL query status command issues
FIJI-6785	EWR 37959 - PXie Function Key Scaling in MR17 wrong

## Release Package

The table below shows the different deliverables included in the firmware package including how to validate the version being used.

File	Version	Method to check version
Application version (PM43)	P10.18.010099	Shown in LCD (information mode) FP command: PRINT VERSION\$  Shell command: cat /etc/version
Application version	A10.18.010107 J10.18.010114 K10.18.010107 L10.18.010107 T10.18.010107	Shown in LCD (information mode) FP command: PRINT VERSION\$  Shell command: cat /etc/version