

MIF-47 Core Firmware Version Info

► **Jul 26 2022**

Firmware

- V2.1.20 release
- Add oem user with gpio and spi access

► **Sep 03 2021**

Recovery

- V2.1.19 release
- Fix issue installing recovery image when system timestamp is older than recovery image. This can occur if there is no network connection during recovery or if the recovery mode is older than the recovery image.
- Fix install app-info file from custom pack.

► **Aug 31 2021**

Firmware

- V2.1.19 release
- Fix issue installing recovery image when system timestamp is older than recovery image. This can occur if there is no network connection during upgrade or if the upgrade mode is older than the recovery image.
- Make sure timestamp is periodically updated instead of only on reboot. This is to ensure the timestamp can stay current.
- Fix size of the boardinfo.txt file. This is to avoid random bytes from memory being written to the boardinfo.txt. This file is used by ICC applications to determine board information.
- Fix install app-info file from custom pack.

► **Jan 13 2021**

Firmware

- V2.1.18 release
- Added UFW firewall (disabled by default)
- Updated FTP configuration to work with firewall
- Added firewall kernel modules
- Fixed permission issue of kernel modules directory in firmware upgrade
- Set default CPU frequency governor to “conservative”

► **Sep 28 2020**

Firmware

- V2.1.17 release
- No changes for MIF-47

► **Aug 28 2020**

Firmware

- V2.1.16 release
- Added Device Info support over Ethernet for Finder
- Fixed recovery image install

► **Aug 20 2020**

Firmware

- V2.1.15 release
- Added support for custom pack images
- Updated libPlatformManager to display custom pack information
- Updated libPlatformManager to display recovery mode information
- Fixed possible corruption of firmware-update.log file on firmware upgrades
- Updated firmware upgrader to install recovery mode information

► **Aug 03 2020**

Firmware

- V2.1.14-2 release
- Updated Fuji TRDP to V0100.0005

► **July 30 2020**

Firmware

- V2.1.14 release
- Fixed upgrading from older versions to current version. Upgrading will not cause a reboot loop
- Fixed verbose logging to system log when USB cable connected
- Updated Fuji TRDP to V0100.0004

► **Feb 10 2020**

Firmware

- V2.1.13 release
- Update bootloader to check for a firmware upgrade complete flag
- Bootloader automatically starts recovery mode if upgrade complete flag is missing
- Update recovery mode to add recovery over Ethernet
- Update bootloader to flash the Network Status LED red and green when recovery boot starts
- Improved firmware upgrade logging
- Improved firmware upgrade and recovery process
- Updated libPlatformManager API for recovery mode

► **Dec 13 2019**

Firmware

- V2.1.12 release
- Add ability to recover the firmware using Fuji Finder if the root filesystem has been corrupted
- Security improvements for firmware upgrade
- Add ability to upgrade system recovery image
- Fix kernel messages about “NOHZ”
- Add helper methods to libPlatformManager to start and stop system services
- Update bootloader to flash the Network Status LED red and green when recovery boot detected

► **Nov 11 2019**

Firmware

- V2.1.11 release
- Added Fuji TRDP Application 92_02_20191017

► **Oct 7 2019**

Firmware

- V2.1.10 release
- Disabled Auto-MDIX on eth0
- Fixed DHCP mode in Fuji Finder when no address is set to interface
- Fixed set IP address from Fuji Finder Ethernet tab to be temporary
- Setting gateway to 0.0.0.0 from Fuji Finder will now remove any default route for the interface
- Upgraded Platform Manager library to allow user management of DHCP client per interface
- Upgraded Platform Manager library to set DHCP client identifier option for user managed DHCP
- Updated user managed DHCP client to set BROADCAST flag
- Updated user managed DHCP client to disable DISCOVER backoff algorithm
- Updated user managed DHCP client to disable REQUEST backoff algorithm
- Updated user managed DHCP client to remove request and hostname options
- Updated user managed DHCP client default DISCOVER interval to 1 second
- Updated user managed DHCP client to send DISCOVER requests indefinitely
- Set default IP address settings for eth0 and eth1
- Update system log storage to be persistent
- Add cmake to development firmware
- Add valgrind to development firmware

► **Apr 17 2019**

Firmware

- V2.1.9 release
- Fixed socket bind error when discovering device using Ethernet in Fuji Finder
- Upgraded Platform Manager library to load board data from eeprom where available

► **Mar 27 2019**

Firmware

- V2.1.8 release
- Upgrade to RT kernel v4.9.88
- Update kernel to support new MIF-47 rev C boards
- Remove internal pull-up resistor configuration from SPI output lines

► **Mar 19 2019**

Firmware

- V2.1.7 release
- Update default network file naming scheme

► **Oct 2 2018**

Firmware

- V2.1.6 release
- Initial release
- RT kernel v4.9.34
- Removed ability to change USB Ethernet interface configuration
- Allow user to recover Fuji default Ethernet configuration by deleting 10-* network files
- Show Ethernet interfaces in Fuji Finder that do not have a default gateway set
- Save user passwords on firmware upgrades. Password can be restored to default by using system recovery.
- Add LED system files
- Fix FAT filesystem error on firmware upgrades