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Compatibility Check of Device/Firmware and Corrective Actions

Overview

When the ULP modules are upgraded with new functionalities, you need to check the compatibility of the different modules in the IMU system. The **Firmware Upgrade** table helps you to diagnose and identify all discrepancy issues in the ULP modules. This table also provides the recommended actions relevant to the detected discrepancies.

NOTE: You can perform this compatibility check only when the device is connected.

Firmware Upgrade

To view the firmware status, click **Firmware** in the [Device view](#).

The **Firmware Upgrade** displays the following compatibility table.

IP address	Modbus address	Module	Status	Device Version	Available Version	Recommended Action
10.179.247.188	1	Micrologic	✓	V1.0.3	V1.1.0	UPGRADE None
		IO1	✓	003.002.002	003.002.009	UPGRADE None
		IPM	✗	V1.0.8	V2.2.11	UPGRADE Upgrade firmware
		BSCM	⊘	V2.2.7	V2.2.7	Replace module

Legend	Name	Description
A	IP address	Displays the IP address of the connected device.
B	Modbus address	Displays the Modbus address of the connected device.
C	Module	Lists the ULP modules of the connected device.
D	Status	Displays the compatibility status of the module inside the system.
E	Device Version	Displays the current firmware version installed in the module.
F	Available Version	Displays the latest firmware version available for upgrade.
G	Recommended Action	Provides the solution for the discrepancies.
H	Refresh	Updates the changes done as per the recommended action.

Status

Status identifies the discrepancy conditions within the ULP modules.

Icons	Module Status
	Nominal
	Non-critical firmware discrepancy Or Non-critical hardware discrepancy
	Critical firmware discrepancy Critical hardware discrepancy Or Hardware degraded

	Stop Or Conflict
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Recommended Actions

The **Recommended Action** provides solution to recover from a compatibility discrepancy situation. Each discrepancy has a generic pre-defined recommended action.

The table lists the recommended actions for discrepancy conditions of the ULP module.

Module Status	Description	Recommended Action to be Performed
Nominal	The ULP module is in nominal mode.	None
Non-critical firmware discrepancy	There is a non-critical firmware discrepancy between the ULP module and other modules in the IMU.	Upgrade firmware at the next maintenance operation
Non-critical hardware discrepancy	There is a non-critical hardware discrepancy between the ULP module and other modules in the IMU.	Replace module at the next maintenance operation
Critical firmware discrepancy	There is a critical firmware discrepancy between the ULP module and other modules in the IMU.	Upgrade firmware
Critical hardware discrepancy	There is a critical hardware discrepancy between the ULP module and other modules in the IMU.	Replace module
Hardware degraded	The ULP module is in degraded mode.	Replace module at the next maintenance operation
Stop	The ULP module is out of service.	Replace module
Conflict	The ULP module is in conflict mode.	Remove duplicate module

Refresh

After performing a recommended action for a specific discrepancy, you can click **Refresh** to update the changes in the **Firmware Upgrade**.

Firmware Version Details

The **Firmware Version Details** provides the firmware version of all the modules of Masterpact MTZ Control unit. This tab is available only for Masterpact MTZ device.

To view firmware version details, click **Device Check up > Firmware Version Details** tab in the [Device view](#).

Device	Measures	Logs	I/O Status	Maintenance	Firmware Version Details
Main firmware					001.000.200
ASIC firmware					002.002.000
TCI firmware					000.007.756
M&P exploit firmware					000.007.753
APP exploit firmware					000.007.708
eHMI firmware					000.007.701
Language firmware					000.007.700
Font firmware					000.007.700
Bluetooth firmware					001.005.000
AAF firmware					N/A
M&P boot firmware					N/A
APP boot firmware					000.007.502
eHMI boot firmware					N/A
Memory loader for application firmware					000.007.502