

## Release Notes for PIO (V3)

Rev 3.005 (build 20231023)

Type	Subject	Descriptions	Model
Improvement	Modbus data bit configuration	Added Modbus 7-bit Data Configuration Option	GN9371/72/73,GN9481/82/83 GL9972/73 M9371/72/73,ML9972/73
Bug fix	Boot Failure Issue	Resolved the possibility of boot failure due to Crystal malfunction.	GN9371/72/73,GN9481/82/83 GL9972/73 M9371/72/73,ML9972/73

Rev 3.004 (build 20230808)

Type	Subject	Descriptions	Model
Bug fix	64-bit Variable Issue	Resolved the issue of hard faults occurring when using a 64-bit variable.	All
Bug fix	Boot Failure Issue	Resolved potential Boot failure from EEPROM Access conflicts during initial power-up.	All
Improvement	New Modbus Reset Command	Added a new reset command via the Modbus protocol. (Refer to the 'Restart Communication Option' in the specification.)	All
Improvement	Hotswap Bus Line Defects Detection	Enhanced detection of physical bus line defects for Hotswap and I/O data bus for M-Series.	M9371/72/73,ML9971/72/73
Bug fix	Reset Issue via Modbus TCP	Reset command via Modbus TCP not functioning correctly under certain conditions.	All

Rev 3.003 (build 20230523)

Type	Subject	Descriptions	Model
Bug fix	File creation error in visu folder	Resolved the issue of file creation and download failures in the visu folder when utilizing certain functionalities that require additional files (e.g., webvisu user management).	GN9373,GN9483 GL9973/75 M9373,ML9973
Bug fix	Event buffer issue on webvisu	The event buffer bug in Webvisu has been fixed. When repeatedly using functionalities that rely on the Event Buffer (e.g., Mouse move on button) for an extended period, Webvisu may become unresponsive or freeze.	GN9373,GN9483 GL9973/75 M9373,ML9973
Bug fix	Data Sync Issue as MODBUS Slave	(GL9971/ML9971) Resolved the data synchronization issue on IW/QW/MW when working as MODBUS Slave.	GL9971,ML9971
Bug fix	Last Battery Status malfunction	Resolved the issue of Last Battery Status malfunction after application removal and reboot.	GN-9371,GN-9481,GL-9971 M9371,ML9971
Bug fix	Web server content correction	Corrected content and typos in the web server.	All

Rev 3.002 (build 20230111)

Type	Subject	Descriptions	Model
Bug fix	Persistent retain Issue	The issue of the non-functionality of the entire persistent retain area has been resolved. ※ Reduced total retain size and modified specification.	GN9372/73, GN9482/83 M9372/73
Improvement	User Management	Support for User Management with limited usage has been added.	GN9372/73,GN9482/83 GL9972/73/74/75 M9372/73,ML9972/73
Improvement	Factory Reset	The factory reset process has been modified to prevent battery influence.	All
Bug fix	OPC-UA array variables	OPC UA array variables bug has been fixed.	GN9372/73,GN9482/83 GL9972/73/74/75 M9372/73,ML9972/73
Improvement	%MW area start address	A new option has been added allowing users to change the starting address of the %MW area.	All
Bug fix & Improvement	Nand flash control timing adjustment	Adjustments were made sufficiently to control Nand Flash timing because some products require additional hardware margin.	GN9372/73,GN9482/83 GL9972/73/74/75 M9372/73,ML9972/73

Rev 3.001 (build 20220825)

Type	Subject	Descriptions	Model
Bug fix & Improvement	PLC program disappeared Issue	Functions related to Nand Flash that were causing problems have been improved with the addition of an ECC(Error Correction Code) and improved bad block management.	GN9372/73,GN9482/83 GL9972/73/74/75 M9372/73,ML9972/73
Improvement	IEC Task Jitter	Improved to reduce IEC Task Jitter.	All
Improvement	ExternalFeatures library	Added a library to support external features, including accessing special registers and IO parameters and checking the last battery status.	All
Bug fix	Recipe Manager	Fixed the bug in recipe manager file creation when multiple files are made.	GN9372/73,GN9482/83 GL9972/73/74/75 M9372/73,ML9972/73