

RSTi-OM IO-Link Master

IMPORTANT PRODUCT INFORMATION



WARNING

Warning notices are used in this publication to emphasize that hazardous voltages, currents, temperatures, or other conditions that could cause personal injury exist in this equipment or may be associated with its use.

In situations where inattention could cause either personal injury or damage to equipment, a Warning notice is used.

CAUTION

Caution notices are used where equipment might be damaged if care is not taken.

Note: Notes merely call attention to information that is especially significant to understanding and operating the equipment.

These instructions do not purport to cover all details or variations in equipment, nor to provide for every possible contingency to be met during installation, operation, and maintenance. The information is supplied for informational purposes only, and Emerson makes no warranty as to the accuracy of the information included herein. Changes, modifications, and/or improvements to equipment and specifications are made periodically and these changes may or may not be reflected herein. It is understood that Emerson may make changes, modifications, or improvements to the equipment referenced herein or to the document itself at any time. This document is intended for trained personnel familiar with the Emerson products referenced herein.

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Features

The IOLM's web interface provides a platform so that the user can easily configure, review diagnostic pages, and access advanced features. The web interface provides the user with the abilities to:

- Set up Passwords for pre-defined user accounts
- Utilize data storage to provide automatic and manual data storage to upload or download IO-Link v1.1 device parameters
- Run device validation to support identical or compatible device validation to dedicate a port or ports to specific IO-Link devices
- Run data validation to support strict or loose data validation to verify data integrity
- Back up configuration files or load the same configuration to multiple IOLM units
- Generate diagnostics data to support maintenance

Models

For complete technical information about this product, including installation instructions, application requirements and guidelines, technical specifications, and accessories, go to the support site links at the end of this document and search for the GFK-3212, RSTi-OM User Manual.

Model	Descriptions
OMIOLM001	The module is PROFINET / Modbus TCP / OPC-UA / MQTT Fieldbus module with 8 Class A IO-Link master ports

Firmware Details

Firmware Component		OMIOLM001-ABAB	OMIOLM001-AAAA
Field Upgradable	U-Boot Bootloader	1.43	1.38
	FPGA	1.20	1.20
	System - Primary	1.59	1.55
	System - Backup	1.59	1.55
	Application Base	1.6.50	1.6.19e

Application		Version Number	
Field Upgradable	Application-manager	1.6.0.3	1.6.0.1
	Configuration-manager	1.6.0.3	1.6.0.2
	Discovery-protocol	1.6.0.2	1.6.0.2
	Event-log	1.6.0.0	1.6.0.0
	Iolink-driver	1.6.0.24	1.6.0.7
	libiolinkutils	1.6.0.36	1.6.0.13
	modbus	1.6.1.26	1.6.0.7
	mqtt	1.6.0.12	1.6.0.4
	Opcua-server	1.6.0.13	1.6.0.2
	Profinetio	1.6.2.9	1.6.0.6
	Web-help	1.6.0.4	1.6.0.4
	Web-user-interface	1.6.0.43	1.6.0.27b

Product Documentation

Manual Title	GFK Number
RSTi-OM User Manual	GFK-3212
RSTi-OM Quick Start Guide	GFK-3213
RSTi-OM Secure Deployment Guide	GFK-3214

In addition to these manuals, product update documents describe individual product revisions. The most recent PACSystems documentation is available on the Support website: <https://www.emerson.com/iac-support>.

Important Product Information for this Release

Updated hardware and firmware to address component availability. Modules with revision OMIOLM001-AAAA can be upgraded to release 2.0. OMIOLM001-ABAB cannot be downgraded to use firmware package 1.0.

Release History

Module revision	Firmware Version	Date	Description
OMIOLM001-ABAB	2.0	Oct 2023	Updated hardware and firmware to address component availability. <ul style="list-style-type: none"> Modules with revision OMIOLM001-AAAA can be upgraded to release 2.0. OMIOLM001-ABAB cannot be downgraded to use firmware package 1.0.
OMIOLM001-AAAA	1.0	Jun 2021	Initial Release

Functional Compatibility

Subject	Description
PAC Machine Edition™ Logic Developer PLC Programmer Version Requirements	PAC Machine Edition Logic Developer PLC 9.8
Firmware Versions	Revision -ABAB <ul style="list-style-type: none"> U-Boot bootloader v1.43 System ulmage v1.59 PNIO application base v1.6.50 FPGA ulmage v1.20
GSDML Version	GSDML-V2.33-IntelligentPlatformsLLC-RSTi-OM-20231001

Restrictions and Open Issues for Release 2.0

Subject	Description
Loss of Device (OMIOLM001) is observed when accessing webserver	During normal operation, it is recommended to avoid accessing the web-server to prevent a communication drop with the master controller, and it should only be accessed during the installation or commissioning phase.

Operational Notes

Subject	Description
N/A	None

Problems Resolved by this Revision

Subject	Description
Firmware Upgrade	Updated hardware and firmware to address component availability.

General Contact Information

Home link: <http://www.emerson.com/industrial-automation-controls>
Knowledge Base: <https://www.emerson.com/iac-support>

Technical Support

Americas

Phone: 1-888-565-4155
1-434-214-8532 (If toll-free option is unavailable)

Customer Care (Quotes/Orders/Returns): customercare.mas@emerson.com
Technical Support: support.mas@emerson.com

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+420-225-379-328 (If toll-free option is unavailable)
+39-0362-228-5555 (from Italy - if toll-free 800 option is unavailable or dialing from a mobile telephone)

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Asia

Phone: +86-400-842-8599
+65-3157-9591 (All other Countries)

Customer Care (Quotes/Orders/Returns): customercare.cn.mas@emerson.com
Technical Support: support.mas.apac@emerson.com

Any escalation request should be sent to mas.sfdcescalation@emerson.com

Note: If the product is purchased through an Authorized Channel Partner, please contact the seller directly for any support.

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