

RSTi-OM IO-Link Master IPI

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 you can easily configure, review diagnostic pages, and access advanced features, such as the ability 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 |

Current Release Information

| Firmware Component | | Version Number |
|--------------------|-------------------|----------------|
| Field Upgradable | U-Boot Bootloader | 1.38 |
| | FPGA | 1.20 |
| | System - Primary | 1.55 |
| | System - Backup | 1.55 |
| | Application Base | 1.6.19e |

| Application | | Version Number |
|------------------|-----------------------|----------------|
| Field Upgradable | Application-manager | 1.6.0.1 |
| | Configuration-manager | 1.6.0.2 |
| | Discovery-protocol | 1.6.0.2 |
| | Event-log | 1.6.0.0 |
| | lolink-driver | 1.6.0.7 |
| | libiolinkutils | 1.6.0.13 |
| | modbus | 1.6.0.7 |
| | mqtt | 1.6.0.4 |
| | Opcua-server | 1.6.0.2 |
| | Profinetio | 1.6.0.6 |
| | Web-help | 1.6.0.4 |
| | Web-user-interface | 1.6.0.27b |

Related Information

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/Industrial-Automation-Controls/support>.

Important Product Information for this Release

Initial Release

Release History

| Firmware Version | Date | Description |
|------------------|----------|-----------------|
| 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 -AAAA <ul style="list-style-type: none"> • U-Boot bootloader v1.38 • System ulmage v1.55 • PNIO application base v1.6.19 • FPGA ulmage v1.20 |
| GSDML Version | GSDML-V2.33-IntelligentPlatformsLLC-RSTi-OM-20210101 |

Restrictions and Open Issues for Release 1.0

| Subject | Description |
|-------------------------------|---|
| Issue during firmware upgrade | <p>During the firmware upgrade of the module, if the user clicks the OK button in the dialog box multiple times, a dialog box may pop up to indicate the failure of the firmware upgrade. This occurs because a firmware upgrade is already in progress.</p> <p>If the user experiences this error, please wait a moment before refreshing the webpage. The user should then verify that the module's firmware version has been updated. If the module's firmware did not update, re-attempt to download the firmware and begin the upgrade process again.</p> |

Operational Notes

| Subject | Description |
|-----------------|-----------------------|
| Initial Release | No operational notes. |

Problems Resolved by this Revision

| Subject | Description |
|-----------------|--|
| Initial Release | No defects were resolved with this revision. |

General Contact Information

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

Technical Support

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1-434-214-8532 (If toll-free option is unavailable)

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

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Phone: +86-400-842-8599
+65-6955-9413 (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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