

Vertiv™ Liebert® IntelliSlot™ RDU120 Communications Card

Firmware Release Notes

VERSION 1.5.0_00001, DECEMBER 19, 2025

Release Notes Section Outline

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1. Version and Compatibility Information

This release contains firmware version mric-is-release-1.5.0_00001 and is compatible with the following products.

COMMUNICATIONS CARDS	POWER/THERMAL MANAGEMENT EQUIPMENT
<ul style="list-style-type: none">• Vertiv™ Liebert® IntelliSlot™ RDU120 Communications Card	<ul style="list-style-type: none">• Vertiv™ Liebert® GXT5 UPS• Vertiv™ Trinergy™ UPS• Vertiv™ PowerUPS 9000• Vertiv™ Liebert® PSI5 UPS• Vertiv™ Edge UPS• Vertiv™ Liebert® APS UPS• Vertiv™ Liebert® GXE 1-3kVA, 6-10kVA UPS• Vertiv™ Liebert® APM2 UPS• Vertiv™ Liebert® PSI5 Lithium-Ion Short Depth UPS• Vertiv™ PowerSwitch 7000• Vertiv™ Liebert® ITA2 UPS• Vertiv™ Liebert® EXS UPS• Vertiv™ Liebert® Industry S UPS

This release is compatible with the following environmental sensors.

ENVIRONMENTAL SENSORS	
<ul style="list-style-type: none"> Vertiv™ GTHD; Temperature, Humidity, and Dew Point Sensors Vertiv™ GT3HD: 3 Temperature, 1 Humidity, and 1 Dew Point Sensors Vertiv™ SRT; Temperature Sensor Vertiv™ Geist™ RTAFHD3; Temperature, Airflow, Humidity, and Dew Point Sensors Dry contact using the Vertiv™ Geist™ Analog-to-Digital (A2D) Converter direct input Vertiv™ Geist™ Flood Sensor using the Vertiv™ Geist™ A2D Converter Vertiv™ Geist™ Remote Door Position Sensor (RDPS) using the Vertiv™ Geist™ A2D Converter Vertiv™ Geist™ Power Failure Sensor (PFS) using the Vertiv™ Geist™ A2D Converter 	<ul style="list-style-type: none"> *Vertiv™ Liebert® SN-T; Modular Temperature Sensor *Vertiv™ Liebert® SN-TH; Modular Temperature and Humidity Sensor *Vertiv™ Liebert® SN-2D; Modular Door Sensor *Vertiv™ Liebert® SN-3C; Modular Contact Closure Sensor *Vertiv™ Liebert® SN-Z01; 1 Temperature Sensor *Vertiv™ Liebert® SN-Z02; 3 Temperature Sensors *Vertiv™ Liebert® SN-Z03; 3 Temperature Sensors, 1 Humidity Sensor *Vertiv™ Liebert® SN-L; Modular Leak Detection Sensor

NOTE: An asterisk (*) indicates that the 6-pin (P/N 18381) to Vertiv 8-pin adapter is required to use the specified sensor.

2. Client Browser Support Information

BROWSER	SUPPORTED VERSION	OPERATING SYSTEM
Microsoft Edge	140.0.3485.81 (official build)	64-bit
Mozilla Firefox	143.0.1	64-bit
Google Chrome	140.0.7339.186 (official build)	64-bit

NOTE: To support UL2900-1 and IEC 62443-4-2 cybersecurity certifications, the default web server mode is HTTPS only (no HTTP redirect).

3. Vertiv™ Liebert® IntelliSlot™ RDU120 Card and Sensors Feature Support Information

SUPPORTED FEATURES	COMMUNICATIONS CARD	SENSORS
Vertiv™ LIFE™ Services Support	Supported	Not Supported
COMMUNICATION PROTOCOLS		
HTTP/HTTPS	Supported	Supported
Velocity Protocol	Supported	Supported
Email	Supported	Supported
THIRD-PARTY PROTOCOLS		
SNMP v1, v2c, v3	Supported	Supported
BACnet IP/MSTP	Supported	Not Supported
Modbus TCP/RTU	Supported	Not Supported

4. Features and Enhancements

The following features and enhancements are available with this release of the Vertiv™ Liebert® IntelliSlot™ RDU120 Communications Card:

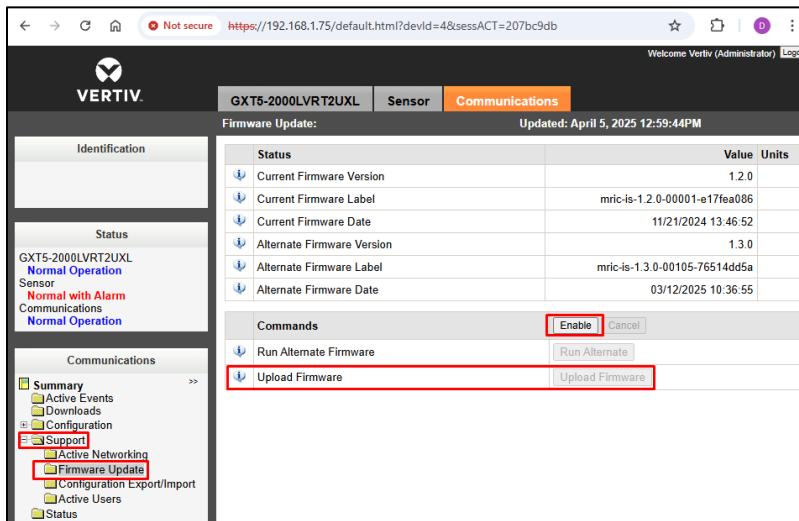
- Added device support for the Vertiv™ Liebert® PSI5 Lithium-Ion 1500VA Short Depth UPS [FDM v22] (06848.0103, 06849.0101, 05529.0103)
- Added device support for the Vertiv™ Liebert® Industry S UPS
- Added device support for Vertiv™ Liebert® ITA2 UPS
- Added device support for Vertiv™ Liebert® EXS UPS
- Added sensor support for Vertiv™ Liebert® SN-L

5. Update Instructions

The Vertiv™ Liebert® IntelliSlot RDU120 Communications Card may be updated to this firmware version using the web-based Firmware Upload feature. Please refer to the Firmware Update Folder section of the [Liebert® IntelliSlot RDU120 Communications Card User Guide \(AV-50006\)](#). The firmware update may take up to 10 minutes, depending on network conditions. During this time, you may experience a loss of communications. However, the operation of the monitored equipment will not be affected.

To update your card:

- Connect to the card:
 - After installing the card, allow time for the card to boot.
 - Connect an Ethernet cable from the card to a PC or laptop. A link-local connection can be established; this is a direct PC-to-card Ethernet connection. The PC acquires a local address, and the card is accessed at 169.254.24.7. Please consult the Quick Start Guide and User Guide for further details.
- Open a web browser (such as Chrome) and enter **169.254.24.7** in the address bar. The card's webpage opens.
- Navigate to the Firmware Update page.
 - From the left-hand sidebar, select the *Communications* tab.
 - Select *Support- Firmware Update*.
- Upload the new firmware:
 - From the Commands section on the Firmware Update page, select *Enable*.
 - Select the *Upload Firmware* button to update the firmware.



The screenshot shows the Vertiv Liebert IntelliSlot RDU120 Communications Card web interface. The top navigation bar includes the Vertiv logo, a user dropdown, and a 'Logout' link. The main content area has tabs for 'GXT5-2000LVRT2UXL', 'Sensor', and 'Communications'. The 'Communications' tab is active. A 'Firmware Update' section displays the following table:

Status	Value	Units
Current Firmware Version	1.2.0	
Current Firmware Label	mrlic-is-1.2.0-0-00001-e17fea086	
Current Firmware Date	11/21/2024 13:46:52	
Alternate Firmware Version	1.3.0	
Alternate Firmware Label	mrlic-is-1.3.0-0-00105-76514dd5a	
Alternate Firmware Date	03/12/2025 10:36:55	

Below this is a 'Commands' section with two buttons: 'Enable' (highlighted with a red box) and 'Cancel'. Under 'Commands', there are two buttons: 'Run Alternate Firmware' (disabled) and 'Upload Firmware' (highlighted with a red box). The left sidebar includes sections for Identification, Status (GXT5-2000LVRT2UXL, Normal Operation, Sensor, Normal with Alarm, Communications, Normal Operation), and Communications (Summary, Active Events, Downloads, Configuration, Support, Active Networking, Firmware Update, Configuration Export/Import, Active Users, Status). The 'Firmware Update' link in the sidebar is also highlighted with a red box.

5. When the Web (HTTP) Firmware Update page opens, select Choose File to select the firmware file via Windows File Explorer.

Web (HTTP) Firmware Update

1. Choose a valid firmware update file to upload.
 2. Click the **Update Firmware** button to initiate the firmware upload
 import them into the system.
 3. You will be notified when the firmware file has been uploaded

Note: The maximum length of a file specification is 250 characters including spaces and punctuation.

File: mric-is-relea...01.firmware

Upload Status: **Uploading Firmware Update file.**

6. Click *FirmwareUpdate*.
 7. After the firmware updates, you are prompted to log in.

6. Resolved Issues

RELEASE	COMPONENT	DESCRIPTION
v.1.3.0	N/A	No issues were addressed with this release; only feature enhancements were implemented.
v.1.4.0	N/A	No issues were addressed with this release; only feature enhancements were implemented.
v.1.4.1	N/A	No issues were addressed with this release; only feature enhancements were implemented.
v.1.5.0	N/A	No issues were addressed with this release; only feature enhancements were implemented.

7. Known Issues

RELEASE	COMPONENT	DESCRIPTION
v.1.3.0	N/A	No issues were identified with this release; only feature enhancements were implemented.
v.1.4.0	N/A	No issues were addressed with this release; only feature enhancements were implemented.
v.1.4.1	N/A	No issues were addressed with this release; only feature enhancements were implemented.
v.1.5.0	N/A	No issues were addressed with this release; only feature enhancements were implemented.

8. Previous Release Updates and Enhancements

RELEASE	DESCRIPTION
v1.0.0	Added support for the Vertiv™ Liebert® GXT5 UPS
v1.1.0	<ul style="list-style-type: none"> • Added support for the Vertiv™ Liebert® PSI5 UPS

RELEASE	DESCRIPTION
	<ul style="list-style-type: none"> Added Secure Boot Implemented the 802.1x protocol Obtained UL2900-1 certification Implemented status LED operations per the following list: <ul style="list-style-type: none"> Green On: Full network connectivity, DHCP. Green Off: No network connectivity. Green Blinking: Link local address only. Red On: Web pages for the monitored device are unavailable (Vertiv™ Liebert® GXT5, for example). Red Off: Web pages for the monitored device are available. Red Blink Fast: Web pages for the monitored device are initializing. Blink rate is 0.25 sec. Red Blink Slow: The device is not available. Blink rate is 1.50 sec.
v1.1.1	<ul style="list-style-type: none"> Added support for the factory API. Updated the UL2900-1 certification.
v1.2.0	<ul style="list-style-type: none"> Added support for the Vertiv™ PowerUPS 9000 Added support for the Vertiv™ Edge UPS Added support for the Vertiv™ Liebert® APS UPS Added support for the Vertiv™ Liebert® GXE 1-3kVA, 6-10kVA UPS Added a 1-millisecond timestamp for the Vertiv™ Trinergy™ UPS Added support for TLS v1.3
v1.3.0	<ul style="list-style-type: none"> IEC 62443-4-2 Cybersecurity certification Added support for the Vertiv™ Liebert® APM2 UPS Communication card API Extensible Authentication Protocol-Transport Layer Security (EAP-TLS) Event log preview SNMP test trap
v1.4.0	<ul style="list-style-type: none"> Added support for the Vertiv™ PowerSwitch 7000 Added support for the Vertiv™ Liebert® PSI5 500VA Short Depth. Firmware - 05527.0036 (MCU), 05528.0030 (Comm) Added support for the Vertiv™ Liebert® PSI5 800VA Short Depth. Firmware - 05527.0049 (MCU), 05528.0036 (Comm) Implemented incremental update for the Vertiv™ Trinergy™ UPS Updated the API to include Managed Equipment information
v1.4.1	<ul style="list-style-type: none"> Added support for the Vertiv™ Liebert® PSI5 1100VA Short Depth (FDM v22) Added Japanese language support