

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

This release is compatible with the following environmental sensors.

#### ENVIRONMENTAL SENSORS

- 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
- \*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:

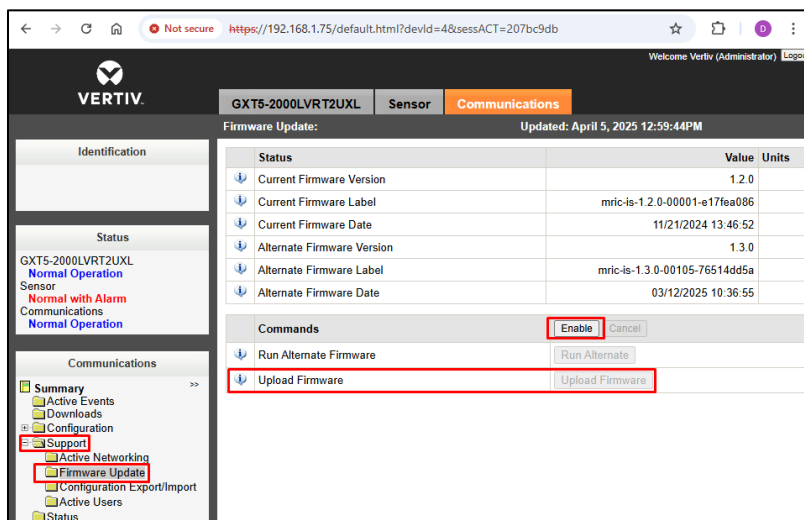
- Added device support for the Vertiv™ Liebert® PSI5 Lithium-Ion 1500VA Short Depth UPS [FDM v22] (06848.0103, 06849.0101, 05529.0103)
- Added device support for the Vertiv™ Liebert® Industry S UPS
- Added device support for Vertiv™ Liebert® ITA2 UPS
- Added device support for Vertiv™ Liebert® EXS UPS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

1. Connect to the card:
  - a. After installing the card, allow time for the card to boot.
  - b. 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.
2. Open a web browser (such as Chrome) and enter **169.254.24.7** in the address bar. The card's webpage opens.
3. Navigate to the Firmware Update page.
  - a. From the left-hand sidebar, select the *Communications* tab.
  - b. Select *Support- Firmware Update*.
4. Upload the new firmware:
  - a. From the Commands section on the Firmware Update page, select *Enable*.
  - b. Select the *Upload Firmware* button to update the firmware.



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

**Web (HTTP) Firmware Update**

- Choose a valid firmware update file to upload.
- Click the **Update Firmware** button to initiate the firmware upload import them into the system.
- 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.**

- Click *FirmwareUpdate*.
- 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"> <li>Added support for the Vertiv™ Liebert® PSI5 UPS</li> </ul>

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