Vertiv™ Liebert® IntelliSlot™ RDU120 Communications Card

Firmware Release Notes

VERSION 1.4.1_00001, SEPTEMBER 30, 2025

Release Notes Section Outline

1. Version and Compatibility Information
2. Client Browser Support Information
3. Vertiv™ Liebert® IntelliSlot™ RDU120 Card and Sensors Feature Support Information
4. Features and Enhancements
5. Update Instructions
6. Resolved Issues
7. Known Issues
8. Previous Release Updates and Enhancements

1. Version and Compatibility Information

This release contains firmware version mric-is-release-1.4.1_00001 and is compatible with the following products.

COMMUNICATIONS CARDS	POWER/THERMAL MANAGEMENT EQUIPMENT
• Vertiv™ Liebert® IntelliSlot™ RDU120 Communications Card	• Vertiv™ Liebert® GXT5 UPS • Vertiv™ Trinergy™ UPS • Vertiv™ PowerUPS 9000 UPS • 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

This release is compatible with the following environmental sensors.

ENVIRONMENTAL SENSORS	
• Vertiv™ GTHD; Temperature, Humidity, and Dew Point Sensors	• *Vertiv™ Liebert® SN-T; Modular Temperature Sensor
• Vertiv™ GT3HD: 3 Temperature, 1 Humidity, and 1 Dew Point Sensors	• *Vertiv™ Liebert® SN-TH; Modular Temperature and Humidity Sensor
• Vertiv™ SRT; Temperature Sensor	• *Vertiv™ Liebert® SN-2D; Modular Door Sensor
• Vertiv™ Geist™ RTAFHD3; Temperature, Airflow, Humidity, and Dew Point Sensors	• *Vertiv™ Liebert® SN-3C; Modular Contact Closure Sensor

ENVIRONMENTAL 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-Z01; 1 Temperature Sensor • *Vertiv™ Liebert® SN-Z02; 3 Temperature Sensors • *Vertiv™ Liebert® SN-Z03; 3 Temperature Sensors, 1 Humidity 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
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:

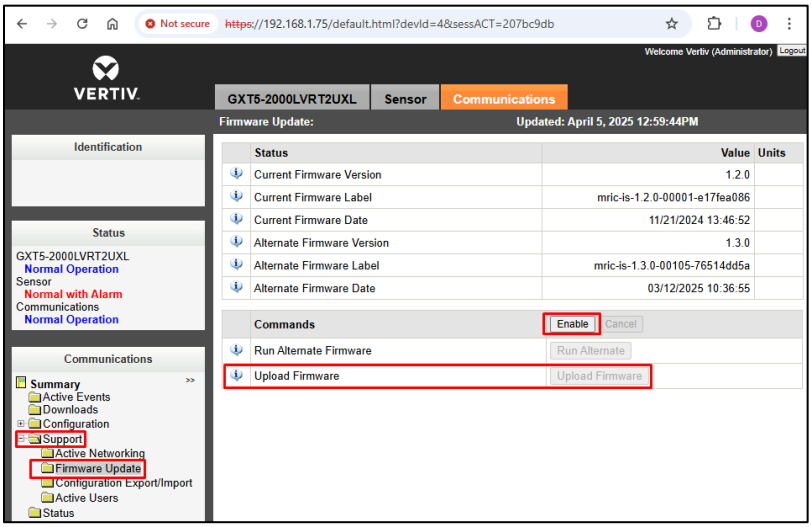
- Added language support for Japanese
- Added support for the Vertiv™ Liebert® PSI5 Lithium-Ion 1100VA Short Depth UPS [FDM v22]

5. Update Instructions

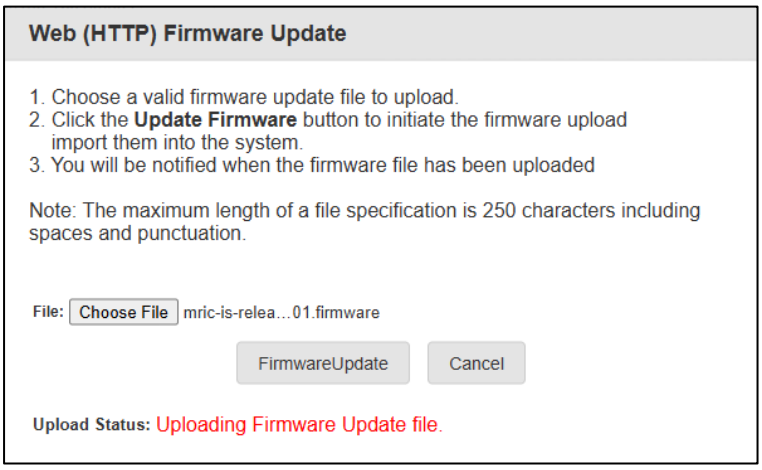
The Vertiv™ Liebert® IntelliSlot RDU120 Communications Card may be updated to this firmware version using the web-based Firmware Upload feature. Please refer to the Firmware Update Folder section of the Liebert® IntelliSlot RDU120 Communications Card User Guide (AV-50006). The firmware update may take 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.



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



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.

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.

8. Previous Release Updates and Enhancements

RELEASE	DESCRIPTION
v1.0.0	Added support for the Vertiv™ Liebert® GXT5 UPS.
v1.1.0	• Added support for the Vertiv™ Liebert® PSI5 UPS. • Added Secure Boot. • Implemented the 802.1x protocol. • Obtained UL2900-1 certification. • Implemented status LED operations per the following list:

RELEASE	DESCRIPTION
	• 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	• Added support for the factory API. • Updated the UL2900-1 certification.
v1.2.0	• Added support for the Vertiv™ PowerUPS 9000 UPS • 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	• 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	• Added support for the Vertiv™ Liebert® 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