

Vertiv™ Liebert® Intellislot RDU120 Communications Card



Overview

The Liebert® Intellislot RDU120 card enables communication between Vertiv™ products such as Vertiv™ Environet™ Alert, Vertiv™ Power Insight, Vertiv™ Power Assist and LIFE™ Services. It provides web access, data via SNMP, Modbus and BACNet for Vertiv equipment. Environmental sensor data access is provided via web and SNMP.

Benefits:

- Peace of mind knowing data is transported in a secure manner.
- Secure Boot with a hardware trust anchor.
- Quick, real-time view of parametric data and system statuses.
- Gain insight into environmental conditions for efficient decision-making.
- Flexible communication regardless of device protocol.
- Save time configuring and updating firmware on managed devices.

How It Works

The RDU120 employs Ethernet networks to monitor and manage a wide range of operating parameters, alarms and notifications.



Solving Monitoring Challenges

Managing disparate systems within the data center can be challenging. With responsibilities to know the conditions of your facility at all times, keeping track of all that data may require accessing multiple systems or even performing manual, time consuming data tracking. Being able to collect data from your systems is key to effectively managing the data center. The RDU120 provides remote centralized monitoring connectivity to building management systems (BMS) that use SNMP and notifications.

Simplifying Device Setup and Update

Not only does the RDU120 improve efficiency by providing a one-to-one view of the connected system, it also provides a convenient way to configure and update devices via HTTP APIs. Save time on initial deployments and improve ongoing maintenance through the mass configuration capabilities of the RDU120.

Keeping Data Secure

The RDU120 is UL2900-1 and IEC 62443-4-2 cybersecurity certified. Secure SNMP is supported via SNMP v3. The secure boot implementation prevents unauthorized tampering of the installed software. Centralized access and authorization management provides an additional layer of security via remote authentication protocols – RADIUS, TACACS+ and LDAP/AD.

Port-based network access control (PNAC) is supported via 802.1x

Features

- Provides web access to the installed devices via popular web browsers- Microsoft Internet Explorer, Mozilla Firefox, Google Chrome and Safari.
- Provides alarm notifications via email and text messaging.
- Supports environmental monitoring via Geist Sensors for temperature, humidity, leak detection, door closures and contact closures.
- 1Gb Ethernet supports modern network environments.
- Standard Restful API supporting customer-based tools.



Technical Specifications

Physical Characteristics		
Power Requirements	DC Input: 7 to 12 VDC	Power Consumption: 3.6 W maximum
Dimensions, W x D x H	2.97 x 5.2 x 1.45 in. (75.5 x 15 x 37 mm)	
Weight (assembled)	Net: 7 oz (0.2 kg)	Shipping: 1.3 lb (0.6 kg)
Ambient Operating Environment	32 to 104°F (0 to 40°C), 10% to 90% RH (non-condensing)	
Ambient Storage Temperature	-4 to 140° F (-20 to 60°C)	
Communication Ports	Ethernet Communication RJ-45	
Wiring		
10/100/1000 Mb/s Ethernet Connector	Standard Category 5E Cable	328 ft. (100m)
RJ-45 - One-Wire Connector	Geist One-Wire Sensor Cable	65.6 ft. (20m)