Cybersecure Gigabit Industrial Gateway Card for UPS, UL 2900-1 and IEC 62443-4-2 Certified

MODEL NUMBER: **INDGW-M3**

Improves power system reliability by warning IT administrators of pending issues and helping to perform safe shutdowns of servers and storage.

Features

UPS Connectivity Device Certified to Strict UL Cybersecurity Standards
The INDGW-M3 Gigabit Industrial Gateway Mini-Slot card meets both UL 2900-1 and IEC 62443-4-2 cybersecurity standards, empowering IT professionals with superior Gigabit speed, capabilities and features, while ensuring the highest level of defense against emerging cybersecurity threats. Security enhancements include strong encryption, configurable password policy and usage of CA and PKI signed certificates. This network interface is recommended for use with better performing, cost-effective and widely deployed Gigabit network switches.

Compatible with Eaton's Brightlayer Software
INDGW-M3 works with Eaton's Brightlayer software for data centers to monitor and manage fleets of critical IT devices. This includes enabling automated actions during power events, such as graceful shutdown of servers and storage or reallocation of virtual machines, to protect data and preserve business continuity.

Enables Remote UPS Management
INDGW-M3 combines the features of an SNMP agent, HTTP/web server and Modbus/BACnet card to facilitate 24/7 remote monitoring of your UPS system. It enables remote management of a UPS through load shedding and safe shutdowns and reboots protected devices attached to load segments. It monitors site electrical data, UPS self-test logs, alert logs and logged power events like blackouts, brownouts and overvoltage conditions. You can receive alert notifications via email or SMS. Real-time clock links to a Network Time Protocol (NTP) server to maintain current day and date even after a UPS shutdown.

Supports Multiple Protocols
This network interface provides versatile support through IPv4, IPv6, HTTPS, TLS 1.2, SNMPv1, SNMPv3, NTP, TFTP, SMTP, SMTPS, BOOTP, DHCP, SLAAC, SSH, MQTTS, Modbus TCP, Modbus RTU, BACnet IP and BACnet BBMD. It also supports Google Chrome and Microsoft Edge web browsers. DHCP/Manual configuration support enables automatic or manual assignment of network settings.

Optional Sensor Monitors Environmental Conditions
The EMPDT1H1C2 Environmental Monitoring Probe (EMP) Gen 2 (sold separately) provides remote temperature and humidity monitoring, as well as a dry contact interface to monitor alarm, security and telecom devices. You can daisy-chain up to three EMPDT1H1C2 probes to a host, allowing multiple sensor connections. The probe is compatible with INDGW-M3 and Eaton UPS systems, including 93PX models.

Highlights

- Meets stringent UL 2900-1 and IEC 62443-4-2 cybersecurity standards
- Enhancements include strong encryption and configurable password policy
- Fast 1 Gbps speeds compatible with widely deployed Gigabit network switches
- Enables remote UPS management by turning them into managed devices
- Compatible with optional EMPDT1H1C2 environmental monitoring module

System Requirements

Eaton UPS system with compatible accessory slot, including 5P, 5PX, 5PX G2, 9130, 9PX, 9PXM, 9SX, 93PM, 93E and 93PX

Package Includes

- Gigabit Industrial Gateway Mini-Slot Card
- USB configuration cable, 5 ft. (1.5 m)
- User's Guide

Specifications

OVERVIEW	
UPC Code	037332295927
Technology	Component

INPUT	
Nominal Input Voltage(s) Supported	12V DC; 5V DC; 9V DC

CONNECTIONS	
Slot Type	Mini-slot

PHYSICAL	
Color	Black
Unit Dimensions (hwd / in.)	1.700 x 5.200 x 2.600
Unit Dimensions (hwd / mm)	4.318 x 13.208 x 6.604
Unit Weight (lbs.)	0.10
Unit Weight (kg)	0.05

ENVIRONMENTAL	
Operating Temperature Range	32° to 104°F (0° to 40°C)
Operating Humidity Range	90% RH max. without condensation

COMMUNICATIONS	
Network Compatibility	1 Gbps (Gigabit)
Protocol Support	HTTPS, TLS 1.2, SNMPv1, SNMPv3, NTP, TFTP, SMTP, SMTPS, BOOTP, DHCP, SLAAC, SSH, MQTTS, ModbusTCP, Modbus RTU, BACnet IP, BACnet BBMD

STANDARDS & COMPLIANCE	
Product Certifications	IEC 62443-4-2; UL 2900-1; UL Listed
Product Compliance	CE (Europe); RoHS3

WARRANTY & SUPPORT	
Product Warranty Period (Worldwide)	1-year limited warranty

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