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

MODEL NUMBER: **INDGW-M2**

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-M2 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 Intelligent Power Manager
INDGW-M2 works with IPM v1.61 and higher to improve business continuity by triggering policies configured to keep mission-critical applications running in case of power or environmental anomalies, including virtual machine relocation or automated disaster recovery action.

Enables Remote UPS Management
INDGW-M2 combines the features of an SNMP agent, HTTP/web server and Modbus card to facilitate 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 Mozilla Firefox 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

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 and 93E

Package Includes

- Gigabit Industrial Gateway Mini-Slot Card

- USB configuration cable, 5 ft. (1.5 m)

- User's Guide

sensor connections. The probe is compatible with INDGW-M2 and Eaton rack PDUs, including G3 (firmware 4.x or later), G3HD and G3+ models.

Specifications

OVERVIEW	
UPC Code	743172101884

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

PHYSICAL	
Unit Dimensions (hwd / in.)	1.700 x 5.200 x 2.600
Unit Dimensions (hwd / mm)	132.08 x 66.04 x 43.18
Unit Weight (lbs.)	0.156
Unit Weight (kg)	0.07

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

CONNECTIONS	
Slot Type	Mini-slot

STANDARDS & COMPLIANCE	
Product Compliance	CE (Europe); RoHS3