



Eaton Gigabit Network Card

With optional Environmental Monitoring Probe

Network Card

The Eaton Gigabit Network Card (Network-M2) is Eaton's latest UPS connectivity device that delivers IT professionals with new and exciting capabilities and features. With faster speed and enhanced cybersecurity, the Gigabit Network Card improves power system reliability by providing warnings of pending issues to administrators and helping to perform orderly graceful shutdown of servers and storage. The new network card works with Intelligent Power Manager (IPM) v 1.61 or higher to improve business continuity by triggering policies configured to keep mission critical applications running in the event of power or environmental anomalies, including virtual machine relocation or automated disaster recovery action.

Details

- **Gigabit speed:** compatible with better performing, cost effective and widely deployed gigabit network switches
- **Compliance** with Gigabit only data center networks
- **Cybersecurity** enhancements, including stronger encryption, configurable password policy and usage of CA and PKI signed certificates
- **Real-time clock** with battery backup and NTP
- **Increased memory** for improved operation and larger data storage
- **Modern user experience** with latest web technology
- **Secure SMTP** for email alerts
- **LDAP/ActiveDirectory and Radius** for centralised user authentication
- Syslog integration

Monitoring probe

Eaton is also offering a new Environmental Monitoring Probe (EMP) Gen 2 (EMPDT1H1C2), a second-generation environmental monitoring probe for the Gigabit Network Card. The new EMP maintains all the functionality of the previous generation of sensors (temperature, humidity and dry-contact monitoring) while adding the ability to be daisy-chained (up to 3 per host), allowing multiple sensor connection to a single host. This enhances the richness of rack-level environmental data for the top, middle and bottom of the rack. Temperature, humidity, and contact status can be viewed with a Web browser through the Network user interface. Hot-swap feature simplifies installation to enable you to install the probe without turning off the power to the device or to the loads that are connected to it.

The EMP monitors the status of the two user-provided contact devices and can be located 50m from the network card using standard CAT5 network cable. The probe is delivered with a screw and screw anchor, nylon fasteners, tie wraps, and magnets.

Value of UPS connectivity

Eaton's full range of network connectivity devices enables you to remotely monitor and manage your power quality equipment. From outlet by outlet energy consumption reports to temperature and humidity readings, connectivity devices give you full control of your IT environment from offsite. This high level of awareness and control allows you to take full advantage of helping ensure business continuity.



Eaton Gigabit Network Card



Eaton EMP Gen 2



Powering Business Worldwide

Front view and connectors





Technical specifications1

Eaton Gigabit Network Card

Function: Web/SNMP communications

UPS supported	5SC rack or RT, 5P, 5PX, 9SX, 9PX, 93PM, 9PHD, 93PS, 91PS, 93PS Marine
Compatible with	SNMP v1/v3 and IP v4/v6
Catalog number	Network-M2
Eaton Gigabit Network Card Protocol Support	Fast Gigabit ETHERNET, 10/100/1000 Mbits, autonegotiation, HTTP, HTTPS 1.1, TLS 1.2, SNMP V1, SNMP V3, NTP, SMTP, SMTPS BOOTP/DHCP, CLI, SSH, ARP, Syslog, Radius, LDAP, ActiveDirectory
UPS slot type	Mini-Slot
Network support	Ethernet 10/100/1000BaseT
Temperature and humidity monitoring	Yes, only with the Eaton Environmental Monitoring Probe Gen 2 (up to 3 sensors daisy-chained)
Software Support	Intelligent Power Manager 1.61 and higher, Intelligent Power Protector 1.61 and higher, any SNMP compliant Network Management System (NMS)
Supported MIB	MIB II – Standard IETF UPS MID (RFC 1628) – Eaton PowerMib (XUPS.MIB)
O/S supported for shutdown	Microsoft Windows, UNIX, and Linux (check powerquality.eaton.com for a detailed list of systems supported)
Local language support	English, French, German, Italian, Spanish, Chinese Simplified, Chinese Traditional, Japanese
Operating temperature	0 to 40° C
Operating humidity	5%-95% max. Without condensation
Power input	5 V – 12 V
Current consumption	500/1000mA max. depending on UPS
Dimensions (H x W x D)	132 x 66 x 42 mm)
Weight	70 g
Regulatory	Same as UPS

Eaton Environmental Monitoring Probe Gen 2

Product snapshot

Type	Environmental monitoring device
Compatibility	Gigabit Network Card (Network-M2) and Eaton G3/G3+ ePDU
Operating Temperature	0 ° C to 70 ° C with an accuracy of ± 2 ° C
Operating humidity	10% to 90% with an accuracy of ± 5%
Dimensions (L x W x H)	57 x 37 x 29 mm
Weight	34 g
Catalog number	EMPDT1H1C2

1. Due to continuing improvements, specifications are subject to change without notice.

For more information, please visit:
Eaton.eu/Network-M2