

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. The first UPS connectivity device to meet the UL 2900-2-2 cybersecurity standard, 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) v1.61 (and 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 for UL 2900-2-2 certification, including stronger encryption, configurable password policy and usage of CA and PKI signed certificates
- **Real-time clock** with battery backup and linkage to NTP (Network Time Protocol) server
- **Increased memory** for improved operation and larger data storage
- **Modern user experience** with latest web technology
- **Secure SMTP** for email alerts

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. The new sensors feature a translucent case and integrated LED to positively identify the status of each sensor at a glance while walking the aisles.

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 Network-M2 installed (top right on UPS)



Eaton Network-M2 (front)



Eaton EMP Gen 2 installed



Powering Business Worldwide

Technical specifications¹

Eaton Gigabit Network Card

Function:	Web/SNMP communications
UPS supported	5P, 5SC Rack, 5PX, 9PX, 9SX
Compatible with	SNMP v1/v3 and IP v4/v6
Catalog number	Network-M2
Eaton Gigabit Network Card Protocol Support	Gigabit ETHERNET, 10/100/1000 Mbits, autonegotiation, HTTP, HTTPS 1.1, TLS 1.2, SNMP V1, SNMP V3, NTP/TFTP, SMTP, SMTPS, BOOTP/DHCP, IP v6 Telnet, CLI, SSH, ARP
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
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
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	32 to 104° F (0 to 40° C)
Operating humidity	90% RH max. without condensation
Power input	5 V – 12 V
Current consumption	500/1000mA max. depending on UPS
Dimensions (H x W x D)	5.2 x 2.6 x 1.7 in. (132.08 x 66.04 x 43.18 mm)
Weight	2.5 oz. (71 g)
Regulatory	Same as UPS

Eaton Environmental Monitoring Probe Gen 2

Product snapshot	
Type	Environmental monitoring device
Compatibility	10/100Mb ConnectUPS-X, ConnectUPS-BD and ConnectUPS-E with RW V3.01 and higher Note: The EMPDT1H1 probe is only compatible with the Network-M2 card; the existing EMP001 probe is not compatible with the new Network-M2 card.
Dimensions (L x W x H)	2.26 x 1.48 x 1.15 in. (57.6 x 37.6 x 29.3 mm)
Weight	1.19 oz. (34 g)
Catalog number	EMPDT1H1C2

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

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

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





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Eaton UPS network connectivity options

			Eaton UPS models																	
Connectivity device	Reference	EX	5P	5PX	5SC Rack	5130	9PX	9PXM	9SX	9E	9130	BladeUPS	9155	9390	PowerXpert 9395/9395P	91PS/93PS	93M	9PHD	93E	
 Gigabit Network Card	Network-M2 P/N: 744-A3983		X	X	X		X		X											
 Network Card -- MS	Network-MS P/N: 744-00255-00P	X	X	X	X	X	X	X	X	X	X						X	X	X	X
 Network and ModBus Card -- MS	MODBUS-MS P/N: 744-98065-00P	X	X	X	X	X	X		X	X	X					X	X	X	X	
 ConnectUPS-X Web/SNMP Card	116750221-001											X	X	X	X					
 PowerXpert UPS X-Slot Card	103007974-5591											X	X	X	X					
 PowerXpert UPS MiniSlot Card	PXGMSUPS P/N: P-116000035															X	X	X		
 ConnectUPS-E Web/SNMP Card	116750223-001										X	X	X	X	X					
 Environmental Monitoring Probe (EMP)	116750224-001 42R4317	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	
 Environmental Monitoring Probe (EMP) Gen 2 (compatible with Network-M2 web cards)	EMPDT1H1C2 P/N: 744-A402		X	X	X		X		X											
 Relay Card -- MS	Relay-MS P/N: 744-98067-00P	X	X	X	X	X	X		X	X						X	X		X	
 Industrial Relay Card -- MS (rev 4)	INDRELAY-MS P/N: P-116000059	X	X	X	X	X	X		X	X						X	X	X	X	
 BD Slot Relay Card	1014018										X									
 X-Slot Relay Card	1018460											X	X	X	X					
 X-Slot ModBus RTU Card	103005425-5591											X	X	X	X					