

	Product description	Reference	Los	on best the	Took to	on spt	on Sk	on 95t	on Spt	delles tat	20,0395	9595P 0195PM	on 930s	On Sign	on Sphio	on 93k	on Evolut	ion Est	ions ionet	on Mit	on Et at	130 Est	50 9135 East	00 8130 East	5151	Tomer Late	M 40	019185 1019185	10 10 10 10 10 10 10 10 10 10 10 10 10 1
	Gigabit Network Card (Replacement for Network-MS)	Network-M2		×	×	×	×	×			×	x	×	×	<b>X</b> Q3 2019								March 2020						
	Industrial Gateway Card (Replacement for Modbus-MS)	INDGW-M2	×	×	×	×	×	×			×	×	×	×	<b>X</b> Q3 2019								March 2020						
	Network card MS	Network-MS	×	×	×	×	×	×			×	×	×	×	×	×	×	×	×	×	×	×	×						
	Network and MODBUS card MS	MODBUS-MS	×	×	×	×	×	×			×	×	×	×	×	×	×	×	×	×	×	×	×						
	PowerXpert UPS X-Slot card (PXGX UPS)	103007974-5591							×	×															×	×	×	×	×
	PowerXpert UPS MiniSlot card (PXGMS UPS) P-116000035	PXGMSUPS									×	×		×															
	Environmental Monitoring Probe generation 2 (EMPG2)	EMPDT1H1C2	x¹	x¹	x¹	x¹	x¹	x¹			x¹	x¹	x¹	x¹	<b>X</b> Q3 2019								March 2020						
W.	Environmental Monitoring Probe (EMP)	EMP001	x²	x²	x²	x²	x²	x²	x²	x²	x²	x²	x²	x²	<b>x</b> <sup>2</sup>	x²	x²	x²	x²	x²	<b>x</b> <sup>2</sup>	<b>x</b> <sup>2</sup>	x²	x²	x²	<b>x</b> <sup>2</sup>	<b>x</b> <sup>2</sup>	x²	x²
	Relay card - MS	Relay-MS	×	×	×	×	×	×			×	×	×		×	×	×	×	×	×	×	×							
	Industrial relay card - MS	INDRELAY-MS	×	×	×	×	×	×			×	×	×	×	×														
	BD Slot Relay card	1014018																					×						
Carlo Carlo	X-Slot Relay Card	1018460							×	x															x	×	×	×	×
	X-Slot ModBus RTU Card	103005425-5591							×	×															×	×	×	×	×
I SE WILL	ConnectUPS-X Web/SNMP card	116750221-001							×	×															×	×	×	×	×
777	ConnectUPS-E Web/SNMP card	116750223-001							׳	x³													<b>x</b> <sup>3</sup>	<b>x</b> <sup>3</sup>	<b>x</b> ³	<b>x</b> <sup>3</sup>	<b>x</b> <sup>3</sup>	<b>x</b> <sup>3</sup>	<b>x</b> <sup>3</sup>

x1 = Only in combination with Network-M2 x2 = Only in combination with Network-MS, Modbus-MS, PowerXpert, ConnectUPS x3 = Connected to UPS serial port with cable 1023247 (order separately)

# **Description**



#### Gigabit Network card (Network-M2)

Provides Web/SNMP over Gigabit Ethernet interface
- Installation in Eaton Mini-Slot Enhancement Bay

- Ethernet 10/100/1000BaseT HTTP, HTTPS 1.1, TLS 1.2, SNMP V1, SNMP V3, NTP, SMTP, SMTPS, BOOTP/DHCP IPv4/v6, Telnet, CLI, SSH, ARP
- Highest Cyber Security (UL 2900-2-2 compliant)
   Configuration via USB, DHCP, Telnet, CLI
- Supports up to 3 x optional EMPDT1H1C2 (Temperature, Humidity, 2 x Digital inputs) - Can be monitored with Eaton Intelligent Power Software
- Package contents: Card; Configuration Cable; Manual

# Industrial Gateway card (INDGW-M2) Availability August/September 2019 Modbus TCP and RTU in adddtion to all the features in the Gigabit Network card

- Installation in Eaton Mini-Slot Enhancement Bay

- Etnernet 10/10/10/00/000381 HTTP, HTTPS 1.1, TLS 1.2, SNMP V1, SNMP V3, NTP, SMTPS, BOOTP/DHCP IPv4/v6, Telnet, CLI, SSH, ARP MODBUS TCP, MODBUS RTU 2 and 4 wire RS-485 Highest Cyber Security (UL 2900-2-2 compliant)

- Configuration via USB, DHCP, SSH, CLI
   Supports up to 3 x optional EMPDT1H1C2 (Temperature, Humidity, 2 x Digital inputs)
- Can be monitored with Eaton Intelligent Power Software Package contents: Card; Configuration Cable; Manual

# Network card MS (Network-MS) EOL Q3/2019

- Provides Web interface and SNMP communication over Ethernet Installation in Eaton Mini-Slot Enhancement Bay (also BD Slot)
- 10/100 Mbit Ethernet IP v4 & v6, SNMP v1 & v3, http & https
- Alarms through Email (SMTP)
- Automatic Time Synchronisation (NTP)
   Configuration via RS232, DHCP, Telnet, CLI
   Supports optional EMP (Temperature, Humidity, 2 x Digital inputs)
   Can be monitored with Eaton Intelligent Power Software
   Package contents: Card; Configuration Cable; Manual

## Network and MODBUS card MS (MODBUS-MS) EOL Q3/2019



- Provides Web interface and SNMP communication over Ethernet and ModBus through RS 485
   Installation in Eaton Mini-Slot Enhancement Bay (also BD Slot)
   10/100 Mbit Ethernet, MODBUS/JBUS (RTU, RS232 & RS485)
- IP v4 & v6, SNMP v1 & v3, http & https
- Alarms through Email (SMTP)
- Automatic Time Synchronisation (NTP)
- Configuration via RS232, DHCP, Telnet, CLI
- Supports optional EMP (Temperature, Humidity, 2 x Digital inputs) - Can be monitored with Eaton Intelligent Power Software
- Package contents: Card; Configuration Cable; Manual

## PowerXpert UPS X-Slot card (PXGX UPS) (103007974-5591)

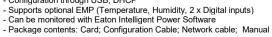


- 10/100 Mbit Ethernet (2 port hub for daisy chaining) IP v4 & v6, SNMP v1 & v3, http & https
- MODBUS TCP
- Alarms through Email (SMTP)
- Automatic Time Synchronisation (NTP) - Configuration through USB, DHCP
- Supports optional EMP (Temperature, Humidity, 2 x Digital inputs)
   Can be monitored with Eaton Intelligent Power Software - Package contents: Card; Configuration Cable; Network cable; Manual

## PowerXpert UPS MiniSlot card (PXGMSUPS)

# Provides Web interface, ModBus TCP, BACNetIP and SNMP communication over Ethernet - Installation in Eaton 93PM MiniSlot Enhancement Bay

- 10/100 Mbit Ethernet IP v4 & v6, SNMP v1 & v3, http & https
- MODBUS TCP, BACNet IP, MODBUS 2-wire RS-485
- Alarms through Email (SMTP)
- Automatic Time Synchronisation (NTP)
- Configuration through USB, DHCP



















#### Environmental Monitoring Probe gen 2 (EMPDT1H1C2) - ONLY compatible with Network-M2 and INDGW-M2

- Connects to Eaton Network-M2 through adapter cable (USB RJ45) distance up to 50m Can be daisy chained (up to 3 x EMPG2 per Network-M2)

- Magnets for easy mounting
   Alarm limits for temperature and humidity can be set in Web cards
- Two potential free digital inputs Used as the temperature probe in temperature compensated charging
- Facilitates graceful shutdown of servers in case of unacceptable environmental conditions or contact closure change
- Can be monitored with Eaton Intelligent Power Software through Web cards or ePDUs
   Package contents: EMP; USB-RJ45 adapter Cable(35cm); RJ45 extension adapter, Mounting accessories, Manual
- Environmental Monitoring Probe (EMP001) NOT compatible with Network-M2 or INDGW-M2 Accessory to Web cards and select ePDUs, adds monitoring of temperature, humidity and two digital inputs. - External device
- Connects to Eaton Web cards and select ePDUs through RJ45 Cat 5 patch cable (1,5 m provided, 20 m max) Alarm limits for temperature and humidity can be set in Web cards
- Two potential free digital inputs
- Used as the temperature probe in temperature compensated charging
- Facilitates graceful shutdown of servers in case of unacceptable environmental conditions or contact closure change
   Can be monitored with Eaton Intelligent Power Software through Web cards or ePDUs
   Package contents: EMP; RJ45 Cable(1,5m); Mounting accessories, Manual

#### Relay card MS (Relay-MS)

- Provides communication through voltage free relays or RS-232.

   Installation in Eaton Mini-Slot Enhancement Bay
- 1 x 9-pin Dsub connector
- 1 x RS232 or 5 x Relay output / 1 x Input
- Package contents: Card; Manual

### Industrial relay card MS (INDRELAY-MS)

- Provides communication through voltage free relays.
   Installation in Eaton 93PM or 93E Mini-Slot Enhancement Bay
- Terminal connectors, 250 VAC/5A rating
   5 x Relay output / 1 x Input
- Package contents: Card; Manual

### BD-Slot Relay Card (1014018)

- Provides communication through voltage free contacts.
   Installation in Eaton BD-Slot Enhancement Bay (Eaton 9130)
- 1 x 15-pin Dsub Connector
- 4 Switching Relays (both NO and NC) / 1 x Digital Input
- 12VDC unregulated voltage supply Package contents: Card; Manual

## X-Slot Relay Card (1018460)

- Provides communication through voltage free contacts.
   Installation in Eaton X-Slot Enhancement Bay
- 1 x 15-pin Dsub Connector/Terminal blocks - 4 Switching Relays (both NO and NC) / 1 x Digital Input
- 12VDC unregulated voltage supply Package contents: Card; Manual

## X-Slot MODBUS Card (103005425-5591)

- Provides MODBUS RTU communication.
   Installation in Eaton X-Slot Enhancement Bay
- MODBUS/JBUS (RTU, RS232 & RS485)
- 3 x 9-pin Dsub connectors; 5 wire terminal block
   Configuration through RS232 and DIP switches
   Package contents: Card; Configuration Cable; Manual

## ConnectUPS-X Web/SNMP card (116750221-001)

- Provides Web interface and SNMP communication Installation in Eaton X-Slot Enhancement Bay
- 10/100 Mbit Ethernet (4-Port-Hub) IP v4, SNMP v1, http & https
- Alarms through Email (SMTP)
   Automatic Time Synchronisation (NTP)

- Configuration through RS232, DHCP, Telnet
   Supports optional EMP (Temperature, Humidity, 2 x Digital inputs)
   Can be monitored with Eaton Intelligent Power Software
- Package contents: Card; Configuration Cable; Network cable; Manual
   Out of support. Replaced by PowerXpert UPS X-Slot card (PXGX UPS) (103007974-5591)

## ConnectUPS-E Web/SNMP adapter (116750223-001)

- Provides Web interface and SNMP
   External
- 10/100 Mbit Ethernet
- IP v4, SNMP v1, http & https - Alarms through Email (SMTP)
- Automatic Time Synchronisation (NTP)
   Konfiguration via RS232, DHCP, Telnet
   Supports optional EMP (Temperature, Humidity, 2 x Digital inputs)
   Can be monitored with Eaton Intelligent Power Software
- Package contents: Adapter; Power supply; Configuration Cable; Communication cable; Manual
- Out of support. No replacement