

EX17242 Series

Web-Smart 24-port PoE 10/100BASE-TX and 2-port combo Gigabit SFP Ethernet Switch



Overview



EtherWAN's EX17242 is a 24-port PoE 10/100BASE-TX plus 2-port 10/100/1000BASE-TX and/or Gigabit SFP combo Web-Smart Ethernet Switch that is designed to operate in the small or medium network environment to provide Power to PoE driven devices, such as PoE IP cameras. The EX17242 supports standard rack mount installation.

All 24 10/100TX ports support 15.4W (IEEE802.3af) Power over Ethernet (PoE) Power Sourcing Equipment (PSE). All ports detect an IEEE802.3af compliant Powered Device (PD). Data and power are transmitted to a PD over the same category 5/6 Ethernet cable.

The EX17242 provides a Web browser interface that allows the user to configure and manage the Switch.

Features

- Supports IEEE802.3af Power over Ethernet (PoE) Power Sourcing Equipment (PSE)
- Full PoE power supplies on all 10/100BASE-TX ports at the same time
- PoE (Power status, Link status) through the Web browser Interface
- System, IP Configuration, Port/Tag based VLAN, QoS Mode, QoS Priority, MAC/Port based trunking, through the Web browser interface.
- 1000Mbps-Full-duplex, 10/100Mbps-Full/Half-duplex, Auto-Negotiation, Auto-MDI/MDIX
- Full wire-speed forwarding rate
- Internal Universal PSU 100VAC - 240VAC, 50 - 60HZ
- Operating Temperature Range 0°C - 45°C (32°F - 113°F)

Ordering Information

EX17242	Web-Smart 24-port PoE 10/100BASE-TX and 2-port combo Gigabit SFP Ethernet Switch (390W)
EX17242L	Web-Smart 24-port PoE 10/100BASE-TX and 2-port combo Gigabit SFP Ethernet Switch (195W)

Installation Type: Rack mounting (mounting kit is included)

NOTES:

* EX17242 PoE power: 15.4W per port/ 390W per switch

* EX17242L PoE power: 15.4W per 12 port or 7.5W per 24 port/ 195W per switch

Specifications

Technology

Standards:

- IEEE 802.3af, IEEE802.3 10BASE-T, IEEE802.3u 100BASE-TX, IEEE802.3x, IEEE802.3ab 1000BASE-TX, IEEE802.3z 1000BASE-SX/LX, IEEE802.1p, IEEE802.1Q, IEEE802.1w, IEEE802.1D

Forward and Filtering Rate:

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps
- 1,488,100pps for 1000Mbps

Packet Buffer Memory:

- 2.75M bits

Processing Type:

- Store-and-Forward
- Half-duplex back-pressure and IEEE802.3x full-duplex flow control

Address Table Size:

- 4096 MAC addresses

Power

Input:

- 100 ~ 240VAC, 50~60Hz Internal Universal PSU

Power Consumption:

- EX17242: 390W Max.
- EX17242L: 195W Max.

Mechanical

Casing:

- Metal case

Dimensions:

- 440mm (W) x 220mm (D) x 44mm (H)
(17.32" (W) x 8.67" (D) x 1.73" (H))
Standard 19" rack-mount size, one-unit-height

Weight:

- 4Kg (8.81lbs.)

Installation:

- Rack Mounting

Interface

Ethernet Port:

- 10/100BASE-TX: 24 PoE ports
- Gigabit: 2 ports

LED Indicators:

- Per Unit: Power Status
- Per Port: 10/100TX: Link/Activity, PoE Act/status
Gigabit: Link/Activity

Environment

Operating Temperature:

- 0°C to 45°C (32°F to 113°F)

Storage Temperature:

- -10°C to 70°C (14°F to 158°F)

Ambient Relative Humidity:

- 10% to 95% (non-condensing)

Regulatory Approvals:

ISO:

- Manufactured in an ISO9001 facility

Emission Compliance:

- FCC Part 15, Class A, CE mark Class A

Diagrams

