

EX19244

Smart Managed 24-Port Gigabit PoE Ethernet Switch



Overview

EtherWAN's EX19244 is a 24-port Gigabit Power over Ethernet switch with high performance and features suited for small-business and commercial environments. The EX19244 is equipped with 24 10/100/1000BASE(T X) PoE+ ports with 4 being combo ports with 100/1000BASE SFP for fiber. With features such as an easy-to-use management GUI, QoS, VLANs and full wire speed throughput, port speeds up to gigabit for 4K cameras and higher, and a power budget of 460W, the EX19244 is the perfect solution for security networks.

EtherWAN — "When Connectivity is Crucial."

Highlights

+ Smart Management Features

- Easy to use web GUI
- VLAN configuration
- Comprehensive IP configuration and QoS

+ Power over Ethernet

- Total PoE power budget of 460W to deliver sufficient power to all connected PoE devices
- Overloading protection
- Power and data over a single cable with gigabit speed capable of handling cameras with 4K resolution and higher and other high bandwidth devices

Software Features

+ Interface

Web GUI

+ Management

Firmware upgrade

Configuration backup and restore

DHCP Client

SNMP Trap

Port Mirroring

>LLDP (Link Layer Discovery Protocol)

+ Security

MAC address filtering

Enable/Disable PoE per port

Storm control

TCP/UDP filter

Initial login complex password setup requirement

+ Quality of Service (QoS)

Priority Queues: 8 queues per port

Traffic classification based on IEEE 802.1p CoS (Cost of Service), DSCP (Differentiated Services Code Point), WRR(Weighted Round Robin)

+ Layer 2 Features

Auto-negotiation for port speed and duplex mode

Flow Control

IEEE 802.3x full duplex mode

Back-pressure half duplex mode

VLANs

16 Groups, 4096 VID

Tag-based

Port-based

Link Aggregation

Static Trunk (2 groups)

IGMP Snooping

IGMP Snooping v1/v2

+ Software Properties and Performance

Switching Fabric

20Gbps

Forwarding Rate

14.88Mpps

Jumbo Frame

9.6KB

MAC Table Size

8K

Packet Buffer Memory

4Mb

Hardware Specifications

+ Interface

Ethernet

10/100/1000BASE-T(X): 24 ports

100/1000BASE SFP: 4 ports (combo with ports 21-24)

LED Indicators

Per Unit: Power

Per Port PoE: Status

Per Port Link: Link/Activity

Reset Button

Restore factory default settings

+ Physical

Casing Material

Metal

Dimensions

440 x 331 x 44mm (W x D x H)

17.3" x 13" x 1.73"

Weight

9.75lbs (4.4kg)

Installation Type

Rack mounting

+ Technology

Standards

IEEE 802.3 10BASE-T

IEEE 802.3u 100BASE-TX

IEEE 802.3ab 1000BASE-T

IEEE 802.3z 1000BASE-SX/1000BASE-LX

IEEE 802.3x Full duplex and flow control

IEEE 802.1p QoS

IEEE 802.1Q Tag VLANs

IEEE 802.3af Power over Ethernet (PoE)

IEEE 802.3at Power over Ethernet (PoE+)

IEEE 802.1AB LLDP (Link Layer Discovery Protocol)

IEEE 802.3az EEE (Energy Efficient Ethernet)

Forward and Filtering Rate

14,880pps for 10Mbps

148,880pps for 100Mbps

1,488,000pps for 1000Mbps

Processing Type

Store-and-Forward

Auto-Negotiation

Half-duplex back-pressure full-duplex flow control

Auto MDI/MDIX

+ Power

Input

100-240VAC, 50/60Hz

Power Consumption

Device: 30W (without PoE)PoE

Power Budget: 460W

+ Environmental

Operating Temp.

0 to 50°C (32 to 122°F)

Storage Temp.

-10 to 80°C (14 to 158°F)

Relative Humidity

10% to 90% (non-condensing)

+ Regulatory

ISO

Manufactured in ISO-9001 facility

EMI

FCC Part 15 Class B

+ Warranty

Length

3 Years

Details

www.etherwan.com/support/warrantypolicy

+ What's Included

Device

Ethernet Switch

Power

AC power cord

Installation

Mounting brackets, screws

Documentation

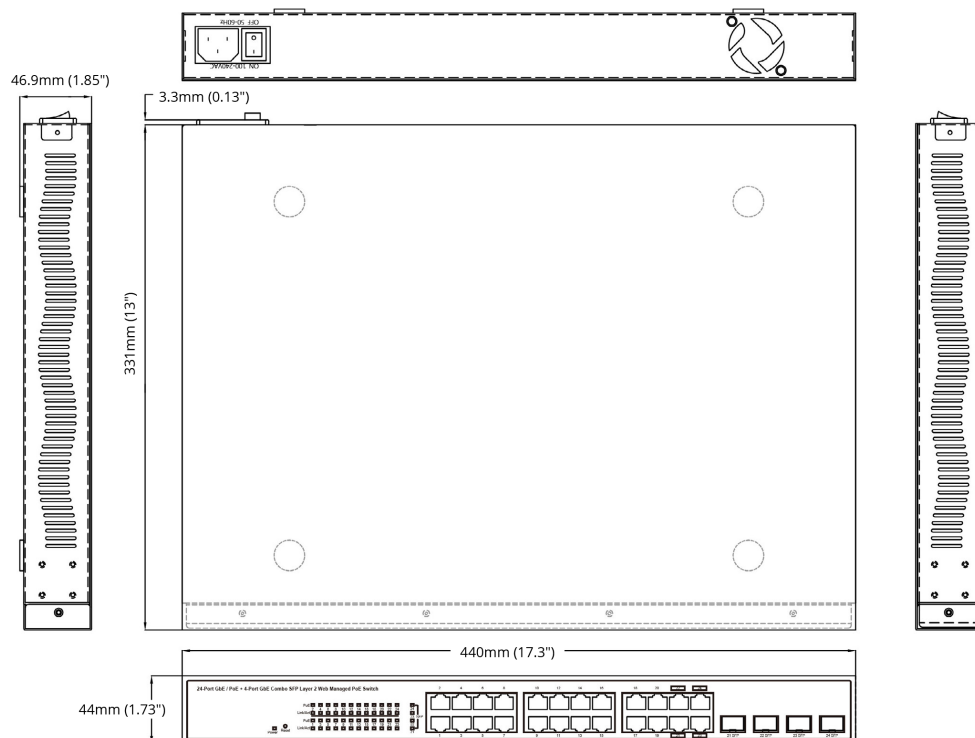
Quick Install Guide

+ MPN

EX19244

1683912

Dimensions



Ordering Info

+ Model

EX19244	24-port 10/100/1000BASE-T(X) PoE (4-port 100/1000 SFP combo)
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+ Accessories

SFP Modules

SFP Modules	www.etherwan.com/products/sfp-fiber-transceiver
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* Rack mounting kit included.

