

# 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](http://www.etherwan.com/support/warrantypolicy)

## + What's Included

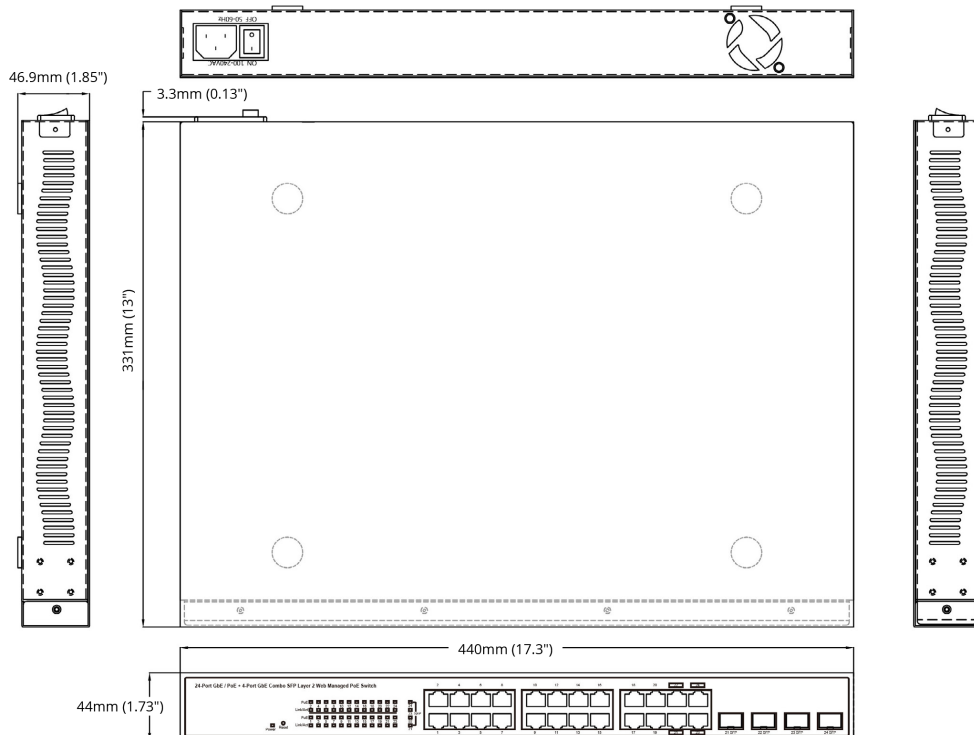
**Device**  
Ethernet Switch

**Power**  
AC power cord

**Installation**  
Mounting brackets, screws

**Documentation**  
Quick Install Guide

## Dimensions



## Ordering Info

### + Model

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

\* Rack mounting kit included.

