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 10/100/1000BASET(X) PoE+ ports with 4 being combo ports with 100/1000BASE SFP for fiber. With features such as an easy-touse 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

➕ 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

➕ 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

➕ 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
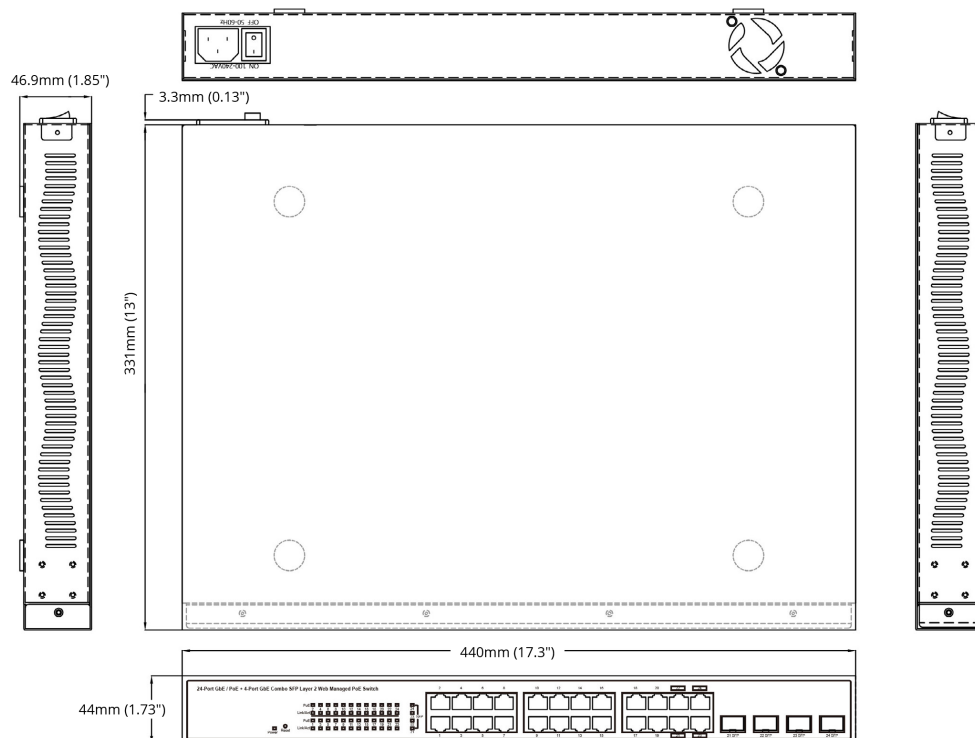
What's Included

Device
Ethernet Switch

Power
AC power cord

Installation
Mounting brackets, screws

Documentation
Quick Install Guide

Dimensions

Ordering Info

➕ Model

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

* Rack mounting kit included.