EX19164

Smart Managed 16-Port Gigabit PoE Ethernet Switch

Highlights

✛ Smart Management Features

Easy to use web GUI

VLAN configuration

Comprehensive IP configuration and QoS

✛ Power over Ethernet

Total PoE power budget of 250W 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

Overview

EtherWAN's EX19164 is a 16-port Gigabit Power over Ethernet switch with high performance and features suited for small-business and commercial environments. The EX19164 is equipped with 16 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 250W, the EX19164 is the perfect solution for security networks.

EtherWAN — "When Connectivity is Crucial."

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 Size	9.6KB
MAC Table Size	8K
Packet Buffer Memory	4Mb

Hardware Specifications

➕ Interface

Ethernet	10/100/1000BASE-T(X): 16 ports 100/1000BASE SFP: 4 ports (combo with ports 13-16)
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

➕ Power

Input	100-240VAC, 50/60Hz
Power Consumption	Device: 23W (without PoE) PoE Power Budget: 250W

➕ Physical

Casing Material	Metal

Dimensions	266 x 161 x 44mm (W x D x H)
	10.5" x 6.34" x 1.73"
Weight	4lbs (1.8kg)
Installation Type	Rack mounting, Desktop

+ Environmental

Operating Temp.	0 to 50°C (32 to 122°F)
Storage Temp.	-10 to 70°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

Dimensions

48.5mm (1.91") 3.3mm (0.13")

220mm (8.66")

44mm (1.73")

440mm (17.3")
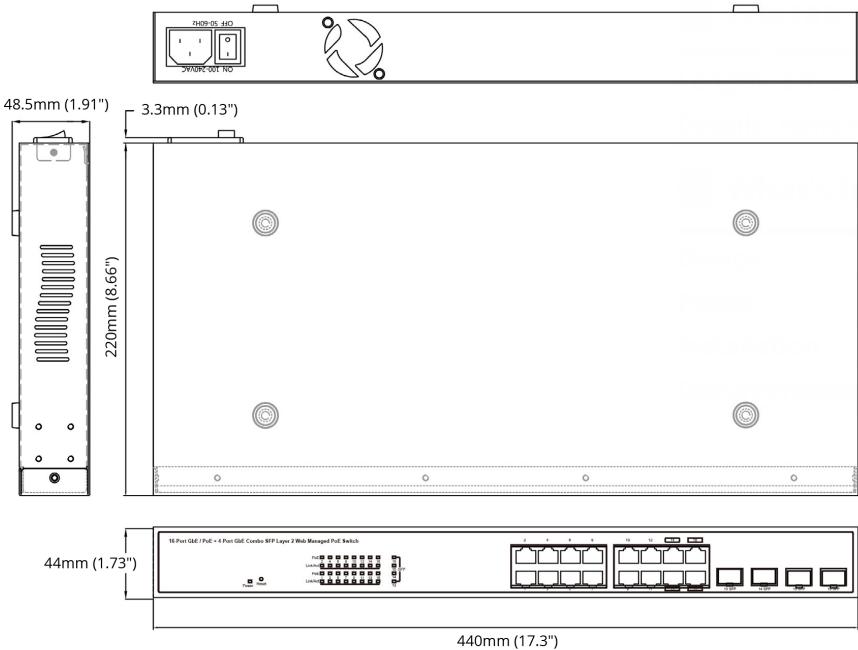
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Ordering Info

+ Model

EX19164 16-port 10/100/1000BASE-T(X) PoE (4-port 100/1000 SFP combo)

* Rack mounting kit included.