EX19082

Smart Managed 8-Port Gigabit PoE Ethernet Switch

EtherWAN

15W PoE

SFP Option

30W PoE
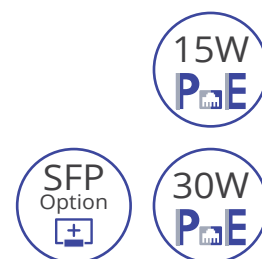
Product Highlights

➜ 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 EX19082 is a 10-port Gigabit Power over Ethernet switch with high performance and features suited for small-business and commercial environments. The EX19082 is equipped with 8 10/100/1000BASE-T(X) PoE+ ports and 2 Gigabit uplink ports (1 TX + 1 SFP). 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 250W, the EX19082 is the perfect solution for security networks.

Ordering Information

Model

EX19082	8-port 10/100/1000BASE-T(X) PoE + 1-port 10/100/1000BASE-T(X) + 1-port 100/1000BASE SFP

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): 8 PoE+ ports + 1 TX port 100/1000BASE SFP: 1 port
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
Safety	UL 62368-1

Warranty +

Length	3 Years
Details	www.etherwan.com/support/warranty-policy

What's Included +

Device	Ethernet Switch
Power	AC power cord
Documentation	Quick Install Guide

Dimensions

161.2

266

44

8 Port 10/100/1000M PoE + 2 Port Gigabit
Web Smart Switch