EX19082

Smart Managed 10-Port Gigabit PoE Ethernet Switch

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 240W, the EX19082 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 240W 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 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: 240W

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 60950-1

✚ Warranty

Length

3 Years

Details

www.etherwan.com/support/warrantypolicy

✚ What's Included

Device

Ethernet Switch
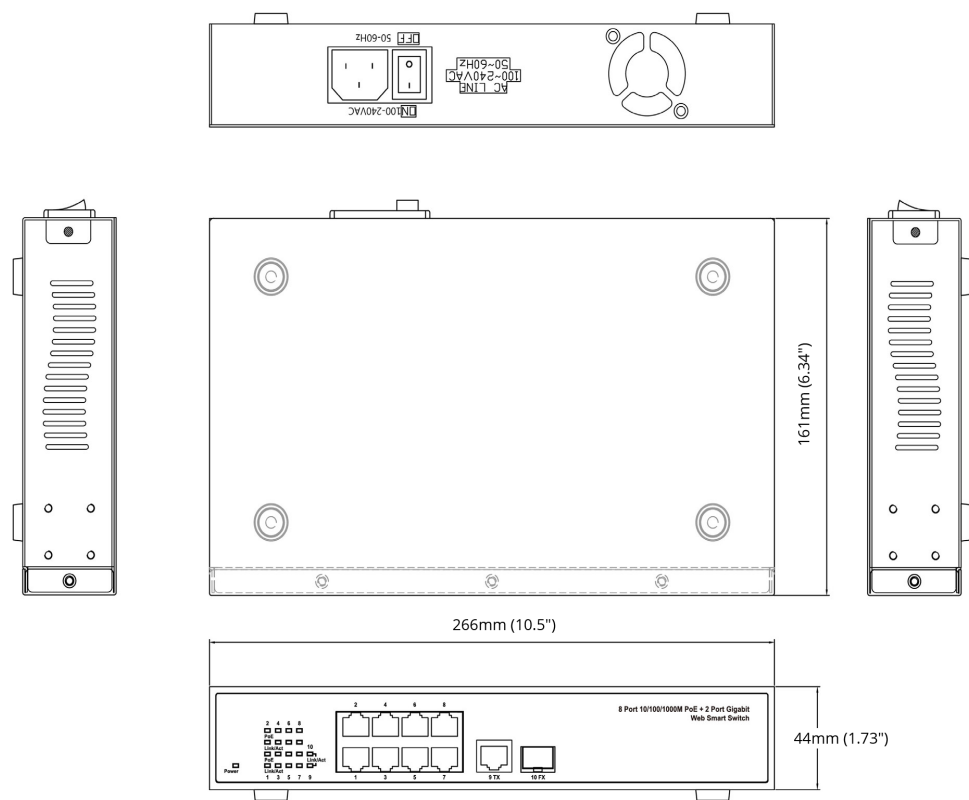
Power

AC power cord

Installation

Mounting brackets, screws

Documentation

Quick Install Guide

Dimensions

161mm (6.34")

266mm (10.5")

44mm (1.73")

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

Ordering Info

➕ Model

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