

# EX46910F

Hardened Unmanaged 8-Port Gigabit PoE & 2-Port Gigabit SFP Ethernet Switch



## Overview

EtherWAN's EX46910F is a compact hardened unmanaged flat form factor PoE switch which can be wall or DIN-rail mounted. 8 gigabit PoE ports provide up to 30W output per port with a PoE power budget of 240W, ensuring that the maximum possible power is delivered to every device at all times. 2 SFP uplink ports provide flexibility for data transmission and cascading. The EX46910F provides the power required to support various security and other network applications, along with flexibility, speed, and reliability to support networks.

EtherWAN — "When Connectivity is Crucial."

## Highlights

### + High-Power PoE (Power over Ethernet)

- Up to 30W output per port for various security, LED lighting, and other applications
- Total PoE power budget of 240W
- Backward compatible with 802.3af devices

### + Hardened-Grade for Non-Ventilated & Harsh Environments

- Wide operating temperature range -40 to 75°C (-40 to 167°F)
- Fanless operation
- High impact, thermal shock, and electrical noise resistance

### + Support

- Complimentary Technical Support
- In-person training and free online training courses available
- Limited Lifetime Warranty

# Specifications

## + Interface

### Ethernet

8 x 10/100/1000BASE-T(X)  
2 x 100/1000BASE SFP

### Alarm Contact

1 x Relay Output  
Current Capacity 1A@24VDC

### LED Indicators

Per Unit: Power 1, Power 2, Power 3, Relay  
Per Port: Link/Activity

## + Technology

### Standards

IEEE 802.3 10BASE-T  
IEEE 802.3u 100BASE-TX/100BASE-FX  
IEEE 802.3ab 1000BASE-T  
IEEE 802.3z 1000BASE-X  
IEEE 802.3x full duplex and flow control  
IEEE 802.3af PoE  
IEEE 802.3at PoE+

### Forward/Filtering Rate

14,800pps for 10Mbps  
148,810pps for 100Mbps  
1,488,100pps for 1000Mbps

### Processing Type

Store-and-forward  
Auto-negotiation  
Half-duplex back-pressure and full-duplex flow control  
Auto MDI/MDIX

## + Switch Properties and Performance

### Switching Fabric

20Gbps

### Jumbo Frame Size

10KB

### MAC Table Size

11K

### Packet Buffer Memory

2Mb

## + Power

### Input

48-56VDC Redundant (Terminal block)+ 48-56VDC  
Power DIN Connector

### Power Consumption

4.8W max @ 48VDC, without PoE

### PoE Power Output

Per Port: Up to 30W/port  
Power Budget: 240W

### Protection

Reverse Polarity Protection  
Current Overload Protection

## + Physical

### Casing Material

Aluminum

### IP Rating

IP30

### Dimensions

5.7" x 0.91" x 7.8" (W x D x H)  
145 x 23.2 x 198mm

### Weight

1.0lbs (0.45kg)

### Installation Type

DIN-rail or wall/panel mounting

## + Environmental

### Operating Temp.

-40 to 167°F (-40 to 75°C)

### Storage Temp.

-49 to 185°F (-40 to 85°C)

### Relative Humidity

5% to 95% (non-condensing)

### MTBF

>500,000 hours@50°C

## + Regulatory

### ISO

Manufactured in ISO-9001 facility

### EMI

FCC Part 15B Class A

EN 55032

EN 55024

### EMS

EN 61000-4-2 (ESD)

EN 61000-4-4 (Burst)

EN 61000-4-5 (Surge)

### Safety

UL 60950-1

### Vibration

IEC 60068-2-6

### Shock

IEC 60068-2-27

### Free Fall

EN 60068-2-32

## + Warranty

### Length

Limited Lifetime

### Details

[www.etherwan.com/support/warranty-policy](http://www.etherwan.com/support/warranty-policy)

## + What's Included

### Device

Switch

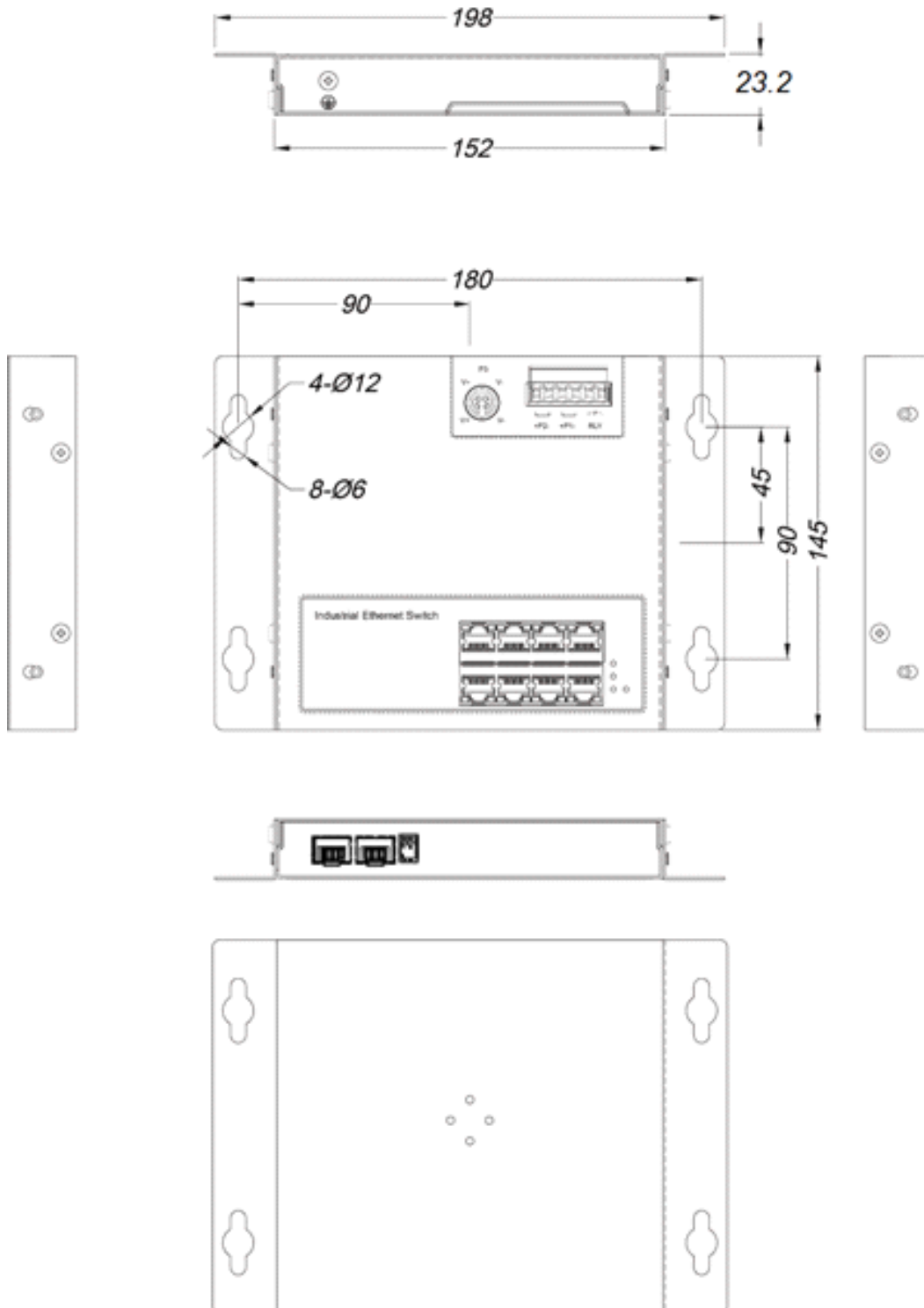
### Installation

Mounting brackets, screws, 6-pin terminal block

### Documentation

Quick install guide

## Dimensions



## Ordering Info

### + Model

EX46910F	8-port 10/100/1000BASE-T PoE + 2-port Gigabit SFP Ethernet Switch
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### + Accessories

Hardened Gigabit SFP Modules	<a href="http://www.etherwan.com/products/sfp-fiber-transceiver">www.etherwan.com/products/sfp-fiber-transceiver</a>
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Power Supplies	<a href="http://www.etherwan.com/products/power-supplies">www.etherwan.com/products/power-supplies</a>
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