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

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)

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

What's Included

Device

Switch

Installation

Mounting brackets, screws, 6-pin terminal block

Documentation

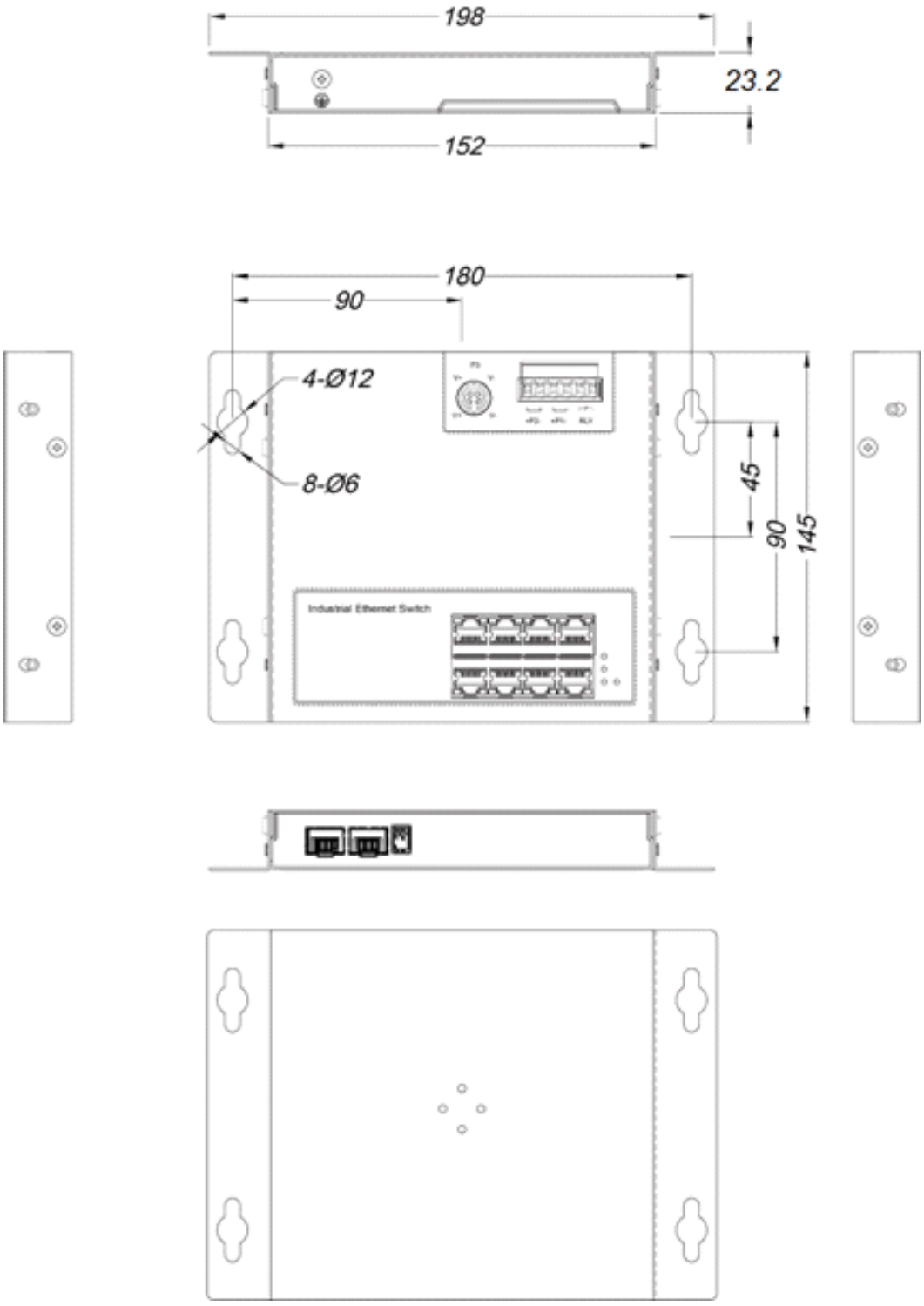
Quick install guide

MPN

EX46910F

1695851

Dimensions


198
23.2
152
180
90
4-Ø12
8-Ø6
45
90
145
Industrial Ethernet Switch

Ordering Info

Model

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

Accessories

SFP Modules

Hardened SFP Modules	www.etherwan.com/products/sfp-fiber-transceiver

Power Supplies

EPOW-54-240	Power Supply, Hardened (-40°C - +75°C) External 100-277 VAC Input; NEMA-TS2 rated; 240W, 54VDC, 0-11.1A with Open Wire (US Plug) - No Deration at High Temps
EPOW-54-400	Hardened Power Supply, 100-277 VAC Input; NEMA-TS2 Rated; 54VDC, 400W/7.4A, with Open Wire (US Plug) - No Deration at High Temps
EPOW-54-600	Power Supply, Hardened (-40°C - +75°C) External 100-277 VAC Input; NEMA-TS2 rated; 600W, 54VDC, 0-11.1A with Open Wire (US Plug) - No Deration at High Temps
EPHX-48-240	240W/5A DIN-Rail 48VDC (42-56VDC Adjustable) Industrial Power Supply - No Deration at High Temps
EPHX-48-480	480W/10A DIN-Rail 48VDC (36-55VDC Adjustable) Industrial Power Supply - No Deration at High Temps

© EtherWAN Systems, Inc. All rights reserved. 20260801
EtherWAN is constantly developing and improving products. Specifications are subject to change without notice and without incurring any obligation.