

The rear panel of the ENEC-WALL EX49910F features the following components:

- Power Section:** A power jack labeled P3 with terminals V+, V-, and V. A green LED indicator is labeled +P2-, +P1-, and RLY.
- Network Section:** Two RJ45 ports labeled F1 and F2. A label "100M 10 1000M 100" is positioned between the ports.
- Status Indicators:** A row of four LEDs labeled ①, ②, ③, and ④. A label "① ② ③ ④" is positioned below the LEDs.
- Other Labels:** "ENE-WALL EX49910F" is printed on the left side. "F1" and "F2" are printed below the network ports.



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

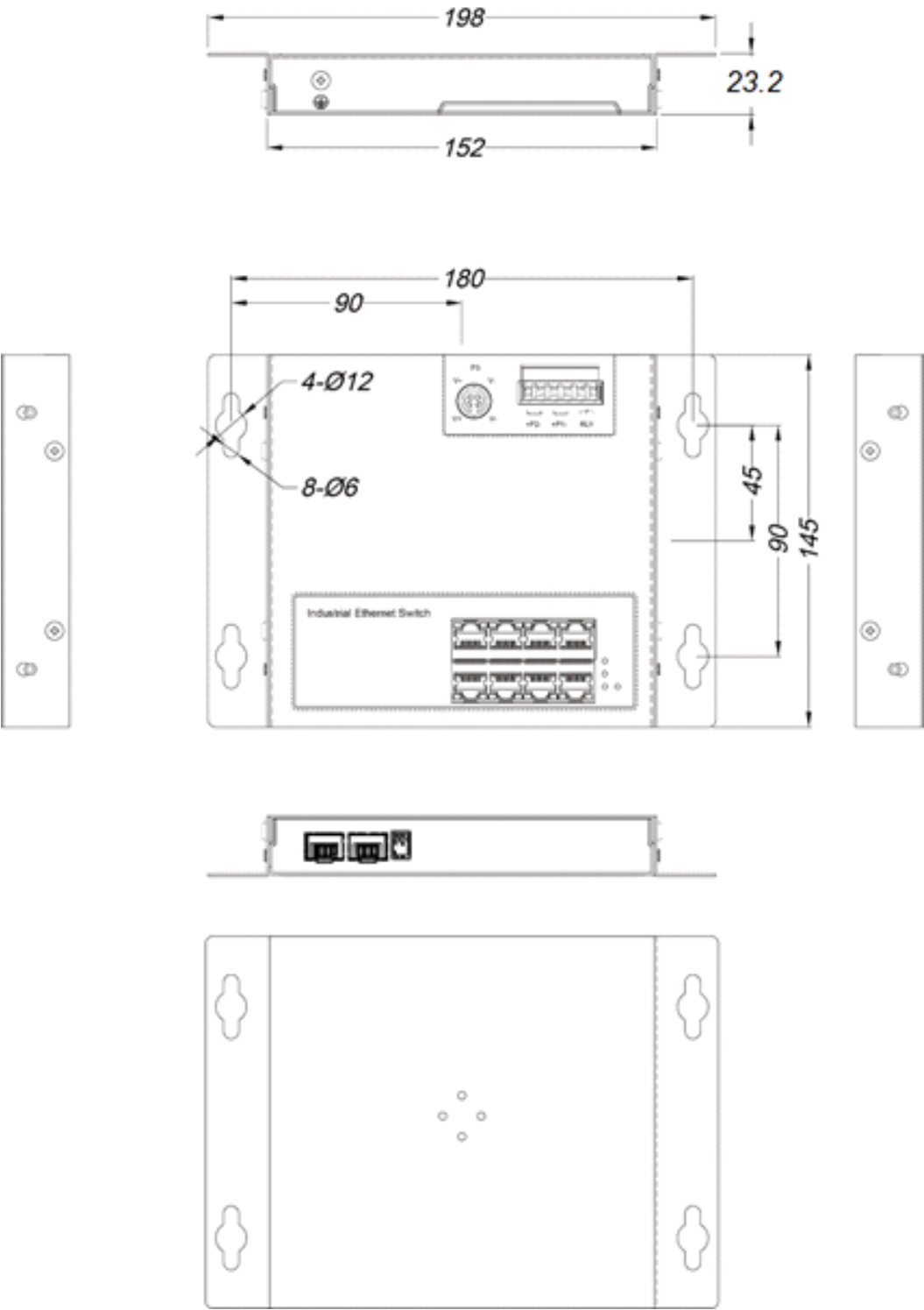
Quick install guide

+ MPN

EX46910F

1695851

Dimensions



Ordering Info

+ Model

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

SFP Modules

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

