

# EX41941F

Hardened Unmanaged 4-Port Gigabit PoE & 1-Port Gigabit RJ45 Ethernet Switch



## Overview

EtherWAN's EX41941F is a compact hardened unmanaged flat form factor PoE switch which can be wall or DIN-rail mounted. 4 gigabit PoE ports provide up to 30W output per port with a PoE power budget of 120W, ensuring that the maximum possible power is delivered to every device at all times. 1 RJ45 uplink port provides flexibility for data transmission and cascading. The EX41941F 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 120W
- 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**

5 x 10/100/1000BASE-T(X)

**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**

10Gbps

**Jumbo Frame Size**

9KB

**MAC Table Size**

2K

**Packet Buffer Memory**

1Mb

### + Power

**Input**

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

**Power Consumption**

5.76W max @ 48VDC, without PoE

**PoE Power Output**

Per Port: Up to 30W/port

Power Budget: 120W

**Protection**

Reverse Polarity Protection

Current Overload Protection

### + Physical

**Casing Material**

Aluminum

**IP Rating**

IP30

**Dimensions**

4.7" x 0.91" x 6.5" (W x D x H)

118 x 23.2 x 166mm

**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

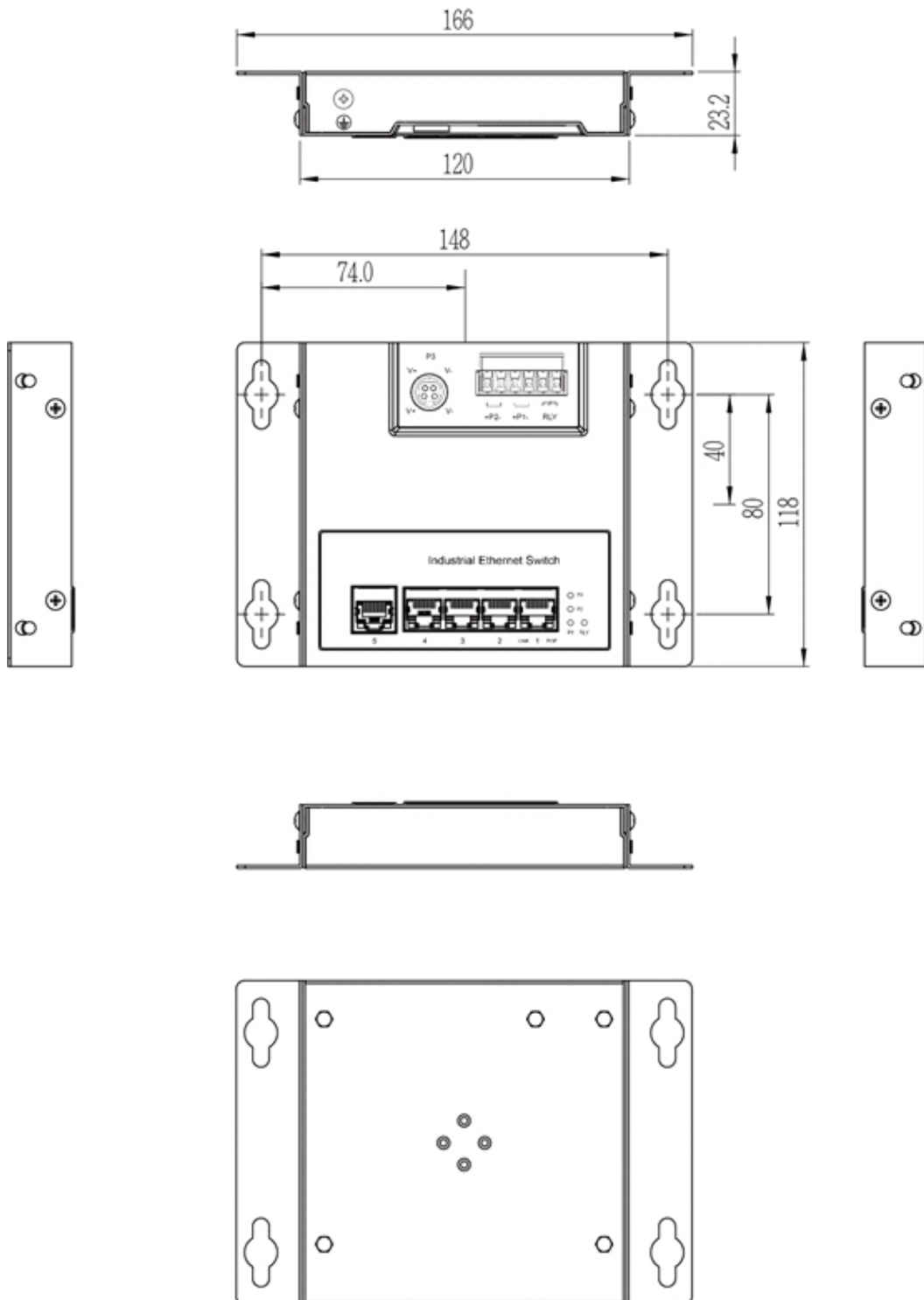
### Installation

Mounting brackets, screws, 6-pin terminal block

### Documentation

Quick install guide

## Dimensions



## Ordering Info

### + Model

EX41941F 4-port 10/100/1000BASE-T PoE + 1-port Gigabit RJ45 Ethernet Switch

### + Accessories

Power Supplies [www.etherwan.com/products/power-supplies](http://www.etherwan.com/products/power-supplies)

