

# EX41941F

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

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## 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

## + 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)

## + 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

EX41941F Dimensions  
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## 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)



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