

# EX42395BT

Hardened Unmanaged 6-Port Gigabit PoE Switch



## Overview

EtherWAN's EX42395BT is a compact hardened unmanaged DIN-rail mounted PoE switch. Equipped with 4 gigabit PoE ports using that provides up to 90W output per port using the latest IEEE 802.3bt PoE technology and 2 dual-rate gigabit SFP ports, the EX42395BT provides the power required to support various security, LED lighting, and other network applications, along with flexibility, speed, and reliability to support networks where connectivity is crucial.

EtherWAN — "When Connectivity is Crucial."

## Highlights

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

- High power output using the latest IEEE 802.3bt technology
- Up to 90W output per port for various security, LED lighting, and other applications
- Backward compatible with 802.3af and 802.3at 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

### + Versatility

- Dual-speed SFP slots provide fiber connectivity
- Combo TX/SFP port provides extra copper or fiber connectivity
- Convenient DIP switches control SFP speed and combo port

### + Support

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

## Specifications

### + Interface

#### Ethernet

4 x 10/100/1000BASE-T(X)  
1 x 100/1000BASE SFP  
1 x 10/100/1000BASE-T(X) or 100/1000BASE SFP

#### Alarm Contact

1 x Relay Output

#### LED Indicators

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

### + Technology

#### Standards

IEEE 802.3 10BASE-T  
IEEE 802.3u 100BASE-TX/100BASE-FX  
IEEE 802.3ab 1000BASE-T  
IEEE 802.3x full duplex and flow control  
IEEE 802.3af PoE  
IEEE 802.3at PoE+  
IEEE 802.3bt 4PPoE

#### 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

12Gbps

#### Jumbo Frame Size

9KB

#### MAC Table Size

1K

#### Packet Buffer Memory

1Mb

### + Power

#### Input

48-56VDC Redundant (Terminal block)

#### Power Consumption

5.76W max@48VDC, without PoE

#### PoE Power Output

Per Port: Up to 90W/port  
Power Budget: 240W

#### Protection

Reverse Polarity Protection  
Current Overload Protection

### + Physical

#### Casing Material

Aluminum

#### IP Rating

IP30

#### Dimensions

43 x 105 x 142mm (W x D x H)  
1.69" x 4.13" x 5.59"

#### Weight

1.5lbs (0.68kg)

#### Installation Type

DIN-rail or wall 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

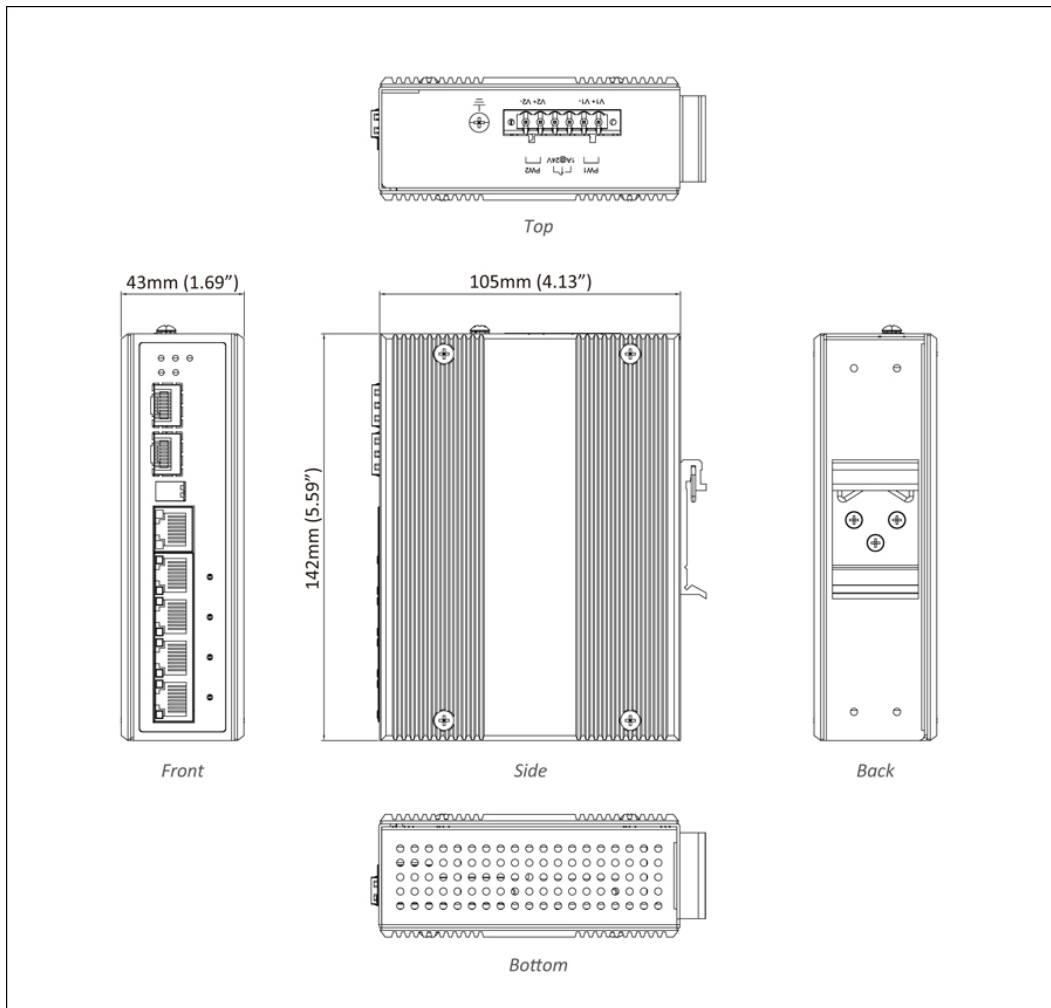
### Installation

Mounting brackets, screws, 6-pin terminal block

### Documentation

Quick install guide

## Dimensions



## Ordering Info

### + Model

**EX42395BT** 4-port 10/100/1000BASE-T PoE + 1-port Combo Gigabit TX/SFP + 1-port 100/1000BASE SFP

### + Accessories

Hardened 100BASE SFP Modules [www.etherwan.com/products/sfp-fiber-transceiver](http://www.etherwan.com/products/sfp-fiber-transceiver)

Hardened Gigabit SFP Modules [www.etherwan.com/products/sfp-fiber-transceiver](http://www.etherwan.com/products/sfp-fiber-transceiver)

DIN-Rail Power Supplies [www.etherwan.com/products/din-rail-power-supply](http://www.etherwan.com/products/din-rail-power-supply)

