

# EX42395BT

Hardened Unmanaged 6-Port Gigabit PoE Switch



## 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

## 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."**

## 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**

## + What's Included

Device  
Switch

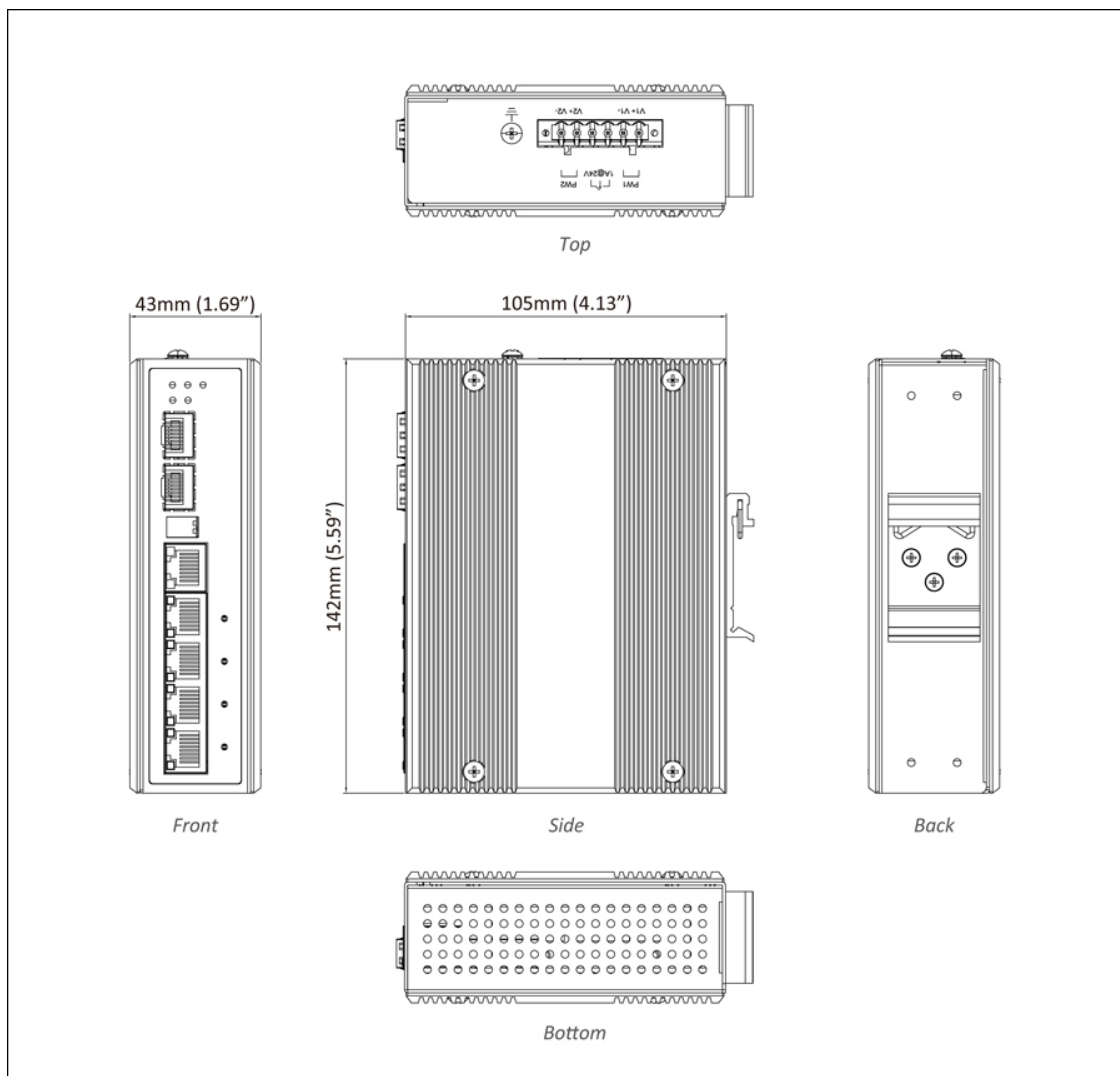
### Installation

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	<a href="http://www.etherwan.com/products/sfp-fiber-transceiver">www.etherwan.com/products/sfp-fiber-transceiver</a>
Hardened Gigabit SFP Modules	<a href="http://www.etherwan.com/products/sfp-fiber-transceiver">www.etherwan.com/products/sfp-fiber-transceiver</a>
DIN-Rail Power Supplies	<a href="http://www.etherwan.com/products/din-rail-power-supply">www.etherwan.com/products/din-rail-power-supply</a>

