

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

+ What's Included

Device

Switch

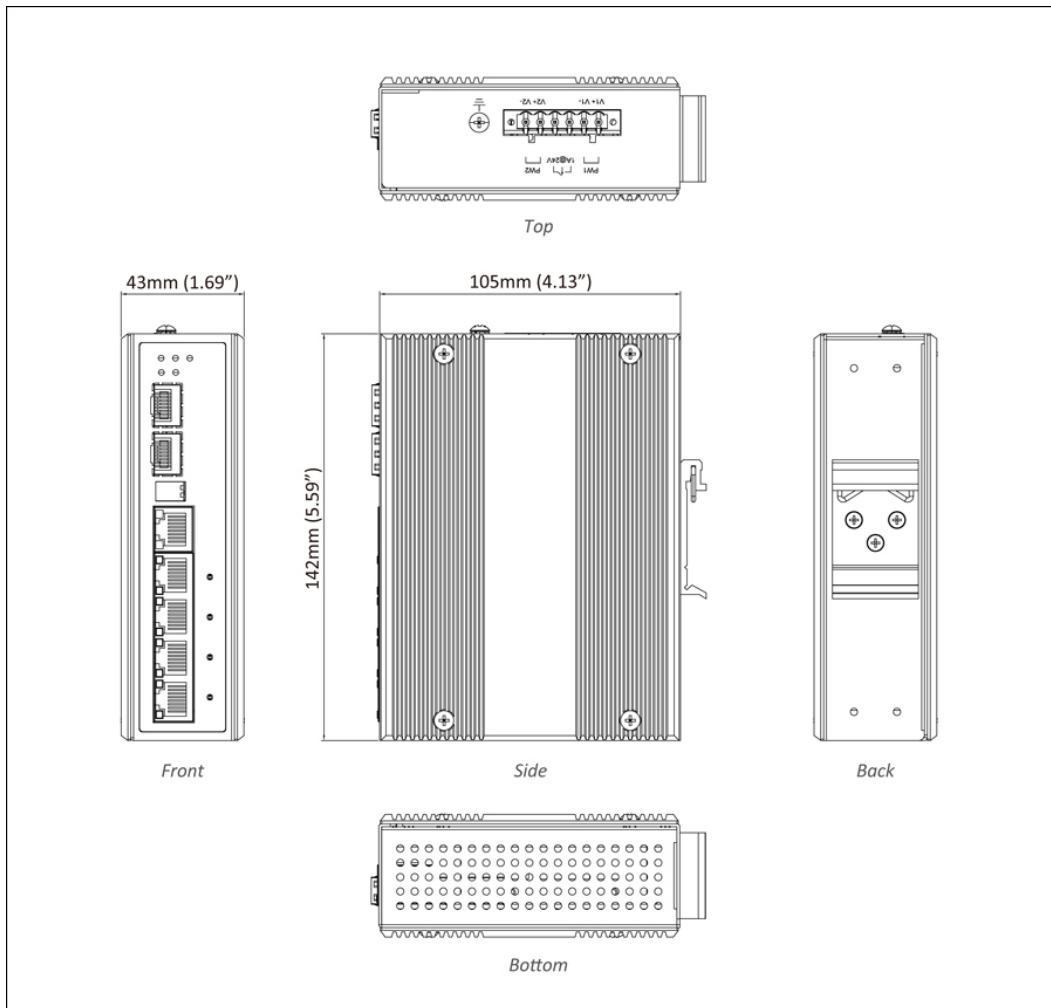
Installation

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

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

DIN-Rail Power Supplies www.etherwan.com/products/din-rail-power-supply



© EtherWAN Systems, Inc. All rights reserved. 20240906

EtherWAN is constantly developing and improving products. Specifications are subject to change without notice and without incurring any obligation.