

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

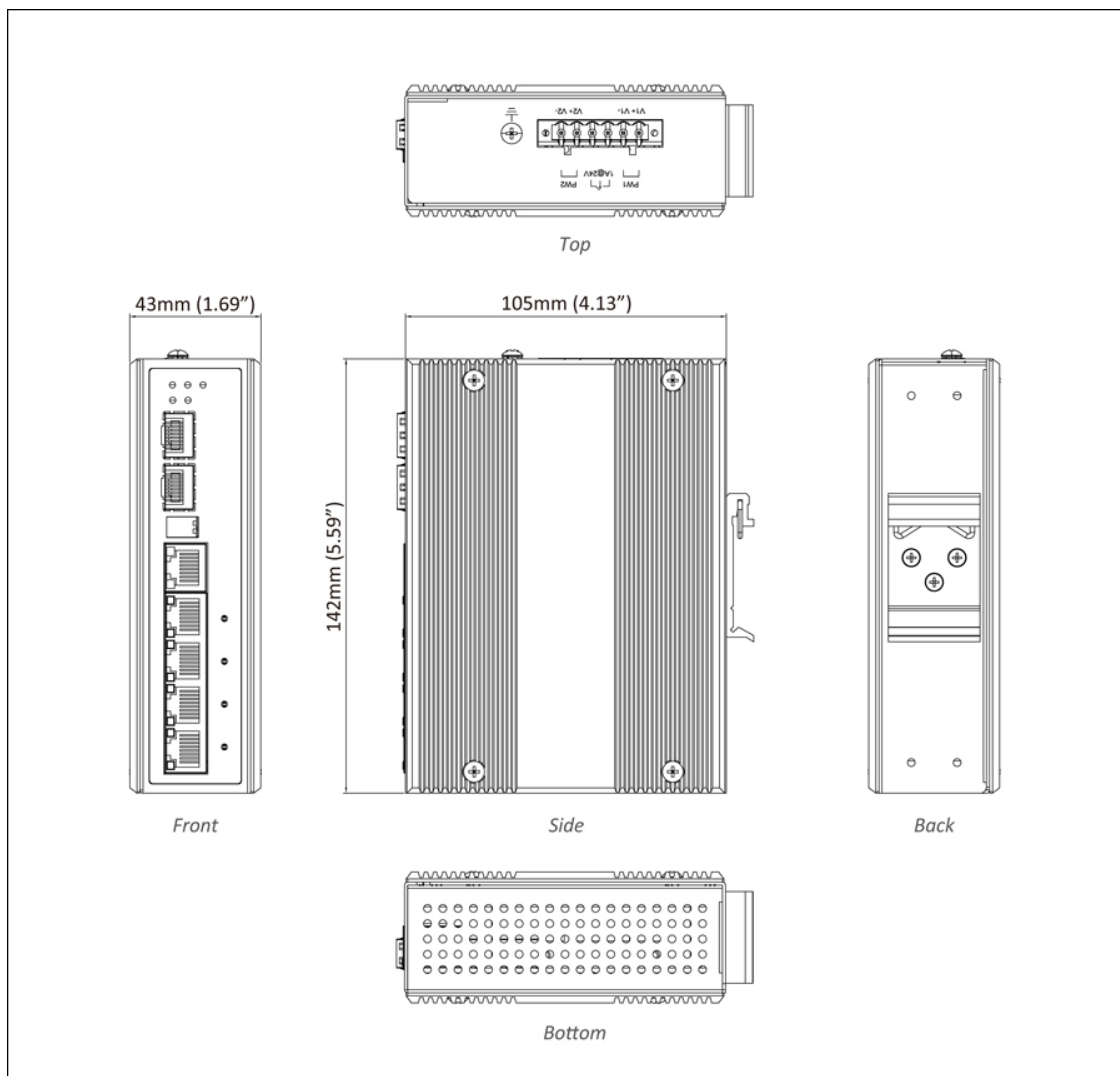
Installation

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	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

