

# EX42395AT

Hardened Unmanaged 4-Port Gigabit PoE & 2-Port Gigabit SFP/RJ45 Combo Ethernet Switch



## 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

## Overview

EtherWAN's EX42395AT is a hardened unmanaged 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. 2 SFP/RJ45 combo uplink ports provide flexibility for data transmission and cascading. The EX42395AT 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."

## Specifications

### + Interface

Ethernet

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

2 x 100/1000BASE SFP/RJ45

Alarm Contact

1 x Relay Output

Current Capacity 1A@24VDC

LED Indicators

Per Unit: Power 1, Power 2, Power 3

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

12Gbps

Jumbo Frame Size

9KB

MAC Table Size

1K

Packet Buffer Memory

1Mb

### + 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**  
1.43" x 4.13" x 5.6" (W x D x H)  
36.2 x 105 x 142mm

**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)

**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)

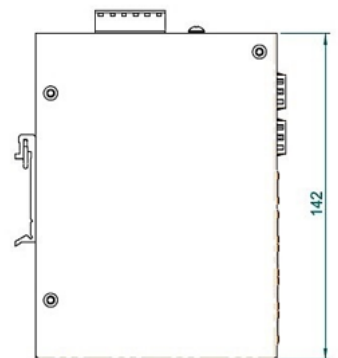
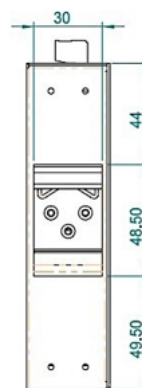
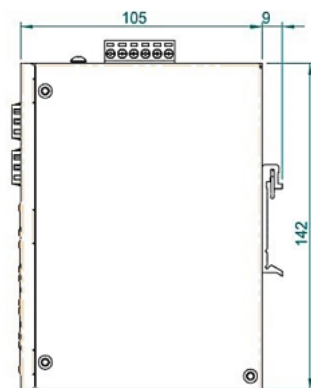
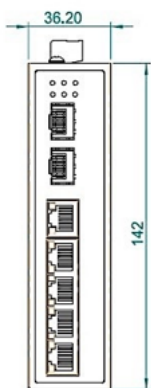
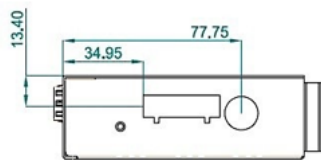
## + What's Included

**Device**  
Switch

**Installation**  
Mounting brackets, screws, 6-pin terminal block

**Documentation**  
Quick install guide

## Dimensions



## Ordering Info

### + Model

**EX42395AT** 4-port 10/100/1000BASE-T PoE + 2-port Gigabit SFP/RJ45 Combo Ethernet Switch

### + Accessories

**Hardened 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)



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