

### **EX42395AT**

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













### **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."

### **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



### **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

### + What's Included

Device

Switch

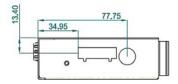
Installation

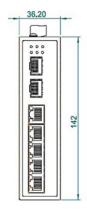
Mounting brackets, screws, 6-pin terminal block

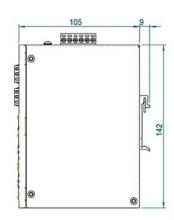
**Documentation** 

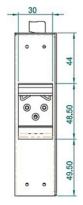
Quick install guide

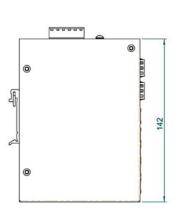
### **Dimensions**













## **Ordering Info**

+ Model

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

+ Accessories

Hardened SFP Modules <u>www.etherwan.com/products/sfp-fiber-transceiver</u>

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

