

# EX42000 Series

## Industrial Unmanaged 5-port 10/100BASE Ethernet Switch



## Overview

EtherWAN's EX42000 Series is a compact industrial unmanaged Fast Ethernet switch, designed for easy deployment in harsh environments.

The EX42000 Series is equipped with 5 Fast Ethernet copper ports, or a combination of 4 Fast Ethernet copper ports and 1 Fast Ethernet fiber port for long distance connectivity. This switch features 10/100Mbps transfer speeds, full/half-duplex auto-negotiation, and auto MDI/MDIX operation, allowing for fast and hassle-free connection and setup.

Although unmanaged, the EX42000 is feature-rich with full wire speed Fast Ethernet throughput, QoS (Quality of Service), Broadcast storm protection, IEEE 802.3az EEE (Energy Efficient Ethernet), and 4kV surge protection. The EX42000 can be DIN rail mounted, and its compact size makes it an ideal solution for factory floors, warehouses, and locations without climate control.

EtherWAN – “When Connectivity is Crucial.”

## Spotlight

### • Industrial Grade

- Supports -10 to 60°C (14 to 140°F) operating temperature
- Supports DIN-Rail mounting

### • Fiber Connectivity

- Up to one 100BASE-FX port with SC and ST options

### • 4kV Surge Protection on Data port

- Augmented 4kV surge protection in accordance with EN 61000-4-5

### • Broadcast Storm Protection Threshold

- 30 Frames/10ms for 100Mbps
- 30 Frames/100ms for 10Mbps

# Hardware Specifications

## Technology

---

### Standards

- IEEE 802.3u 100BASE-TX/FX
- IEEE 802.3x full-duplex flow control
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.1p Quality of Service (QoS)

### Forward and Filtering Rate

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps

### Packet Buffer Memory

- 448K bits

### Processing Type

- Store-and-Forward
- Auto Negotiation
- Half-duplex back-pressure and IEEE 802.3x full-duplex flow control
- Auto MDI/MDIX

### Address Table Size

- 1K MAC addresses

## Power

---

### Input Voltage

- Terminal block: 12-48VDC

### Power Consumption

- 1.82W Max. 0.14A@12VDC, 0.07A@24VDC, 0.038A@48VDC

### Protection

- Reverse polarity protection

## Mechanical

---

### Casing

- Plastic case
- IP30

### Dimensions

- 26 x 70 x 110mm (W x D x H)  
(1.02" x 2.76" x 4.33")

### Weight

- 0.2Kg (0.44lbs.)

### Installation

- DIN-Rail (Top hat type 35mm)

## Interface

---

### Ethernet Ports

- 10/100BASE-TX: 5 or 4 ports
- 100BASE-FX: 0 or 1 port

### LED Indicators

- Per Unit: Power (Green)
- Per Port: Link/Activity (Green), Speed (Yellow)

## Environment

---

### Operating Temperature

- -10 to 60°C (14 to 140°F)  
Tested @ -20 to 70°C (-4 to 158°F)

### Storage Temperature

- -40 to 85°C (-40 to 185°F)

### Ambient Relative Humidity

- 5% to 95% (non-condensing)

## Regulatory Approvals

---

### ISO

- Manufactured in an ISO 9001 facility

### Safety

---

#### UL 62368

### EMI

---

#### FCC Part 15B Class A

#### VCCI Class A

#### EN 61000-6-4

#### EN 61000-3-2

#### EN 61000-3-3

### EMS

---

#### EN 61000-6-2

- EN 61000-4-2 (ESD Standards)
- EN 61000-4-3 (Radiated RFI Standards)
- EN 61000-4-4 (Burst Standards)
- EN 61000-4-5 (Surge Standards)  
Signal ports:  $\pm 4$ kV line-to-ground
- EN 61000-4-6 (Induced RFI Standards)
- EN 61000-4-8 (Magnetic Field Standards)

## Environmental Test Compliances

---

#### IEC 60068-2-6 Fc (Vibration)

#### IEC 60068-2-27 Ea (Shock)

#### FED STD 101C Method 5007.1 (Free fall w/package)

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

***Click to view similar products for [Unmanaged Ethernet Switches](#) category:***

***Click to view products by [Phoenix Contact](#) manufacturer:***

Other Similar products are found below :

[RPI-A1-4PoE, PoE Injector](#) [6GK51082RS002AC2](#) [58933](#) [58814](#) [NT-116-0000-0000](#) [IES-150B](#) [SLX-8ES-1](#) [58900](#) [SLX-5ES-1](#) [SLX-5ES-2ST](#) [SPIDER-SL-20-05T1999999TY9HHHH](#) [2891057](#) [EKI-2710E-2CI-A](#) [EKI-2710G-2FPI-A](#) [EKI-2712G-4FPI-AE](#) [EKI-2716EI-A](#) [EKI-5708E-2FI-A](#) [EKI-5708E-I-A](#) [EKI-2528DI-AE](#) [SW-084](#) [SW-114](#) [SW-118](#) [SW-135](#) [SW-184](#) [SW-195](#) [SW-514](#) [SW-518](#) [SW-535](#) [SW-584](#) [SW-595](#) [SW-7016](#) [SW-718](#) [SW-735](#) [SW-7416](#) [SW-7617](#) [SW-7717](#) [20772083001](#) [24020080010](#) [24024080010](#) [24034060030](#) [20773081000](#) [97000001118](#) [SPIDER-PL-20-16T1999999TY9HHHV](#) [SPIDER-PL-20-16T1999999TX9HHHV](#) [SPIDER-PL-30-24T1O6O699TWWHHHV](#) [SPIDER-SL-20-01T1M29999SZ9HHHH](#) [SSL20-4TX/1FX-SM](#) [SSL20-4TX/1FX](#) [SSL20-8TX](#) [SPIDER-SL-20-08T1999999TY9HHHH](#)