

# EX39924 Series

Industrial Unmanaged 24-port Gigabit Switch with 4/16-port  
combo SFP Slots



## Overview

EtherWAN's EX39924 Series is an industrial Unmanaged Gigabit switching platform, designed for easy deployment in harsh environments.

The EX39924 Series is equipped with twenty-four Gigabit Ethernet ports, or a combination of Gigabit copper ports and four or sixteen combo SFP Gigabit ports for long distance connectivity. Although unmanaged, the EX39924 is feature rich with 16379 bytes jumbo frame support, full wire speed Gigabit throughput, QoS support and eco-friendly IEEE802.3az EEE (Energy Efficient Ethernet) compliant, making the EX39924 Series a powerful yet energy efficient network switch.

EtherWAN – "When Connectivity is Crucial."

## Spotlight

### • Industrial Grade

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

### • Jumbo Frame Support

- Up to 16379 bytes

### • Fiber Connectivity

- Up to 4 or 16 combo 1000BASE SFP ports

### • High Reliability

- Fanless Design
- No moving parts

### • Full Wire Speed

- Non Blocking
- Full Duplex Simultaneous Communication on all ports

### • Rack Mount

- Enterprise level 1U Rackmount

# Hardware Specifications

## Technology

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### Standards

- IEEE802.3 10BASE-T
- IEEE802.3u 100BASE-TX/100BASE-FX
- IEEE802.3ab 1000BASE-T
- IEEE802.3z 1000BASE-SX/1000BASE-LX
- IEEE802.3x Full duplex and flow control
- IEEE802.1az Energy Efficient Ethernet
- IEEE802.1p Quality of Service (QoS)

### Forward and Filtering Rate

- 14,880pps for 10Mbps
- 148,810pps for 100Mbps
- 1,488,100pps for 1000Mbps

### Packet Buffer Memory

- 512 KB

### Processing Type

- Store-and-Forward
- Auto Negotiation
- Half-duplex back-pressure and IEEE802.3x full-duplex flow control
- Auto MDI/MDIX

### Jumbo Frame

- 16379 bytes

### Address Table Size

- 8192 MAC addresses

## Power

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### Input

- 100 - 240VAC, 50 - 60Hz Internal Universal PSU

## Mechanical

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### Casing

- Metal
- IP30

### Dimensions

- 440mm (W) x 210mm (D) x 44mm (H)  
(17.32" (W) x 8.19" (D) x 1.73" (H))

### Weight

- 2.9Kg (6.4lbs.)

### Installation

- Rack mounting

## Interface

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### Ethernet Ports

- Gigabit: 24 ports
- Combo SFP: 16 or 4 ports

### LED Indicators

- Per Unit: Power (Green)
- Per Port: 10/100M (Green)  
1000M (Green)

## Environment

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### Operating Temperature

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

### Storage Temperature

- -40°C to 85°C (-40°F to 185°F)

### Ambient Relative Humidity

- 5% to 95% (non-condensing)

## Regulatory Approvals

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### ISO

- Manufactured in an ISO9001 facility

### EMI

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#### FCC Part 15B, Class A

#### VCCI Class A

#### EN61000-6-4

#### EN55022 Class A

#### EN61000-3-2

#### EN61000-3-3

### EMS

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#### EN61000-6-2

- EN61000-4-2 (ESD Standards)
- EN61000-4-3 (Radiated RFI Standards)
- EN61000-4-4 (Burst Standards)
- EN61000-4-5 (Surge Standards)
- EN61000-4-6 (Induced RFI Standards)
- EN61000-4-8 (Magnetic Field Standards)
- EN61000-4-11 (Voltage Dips & Voltage Variations)

### Environmental Test Compliances

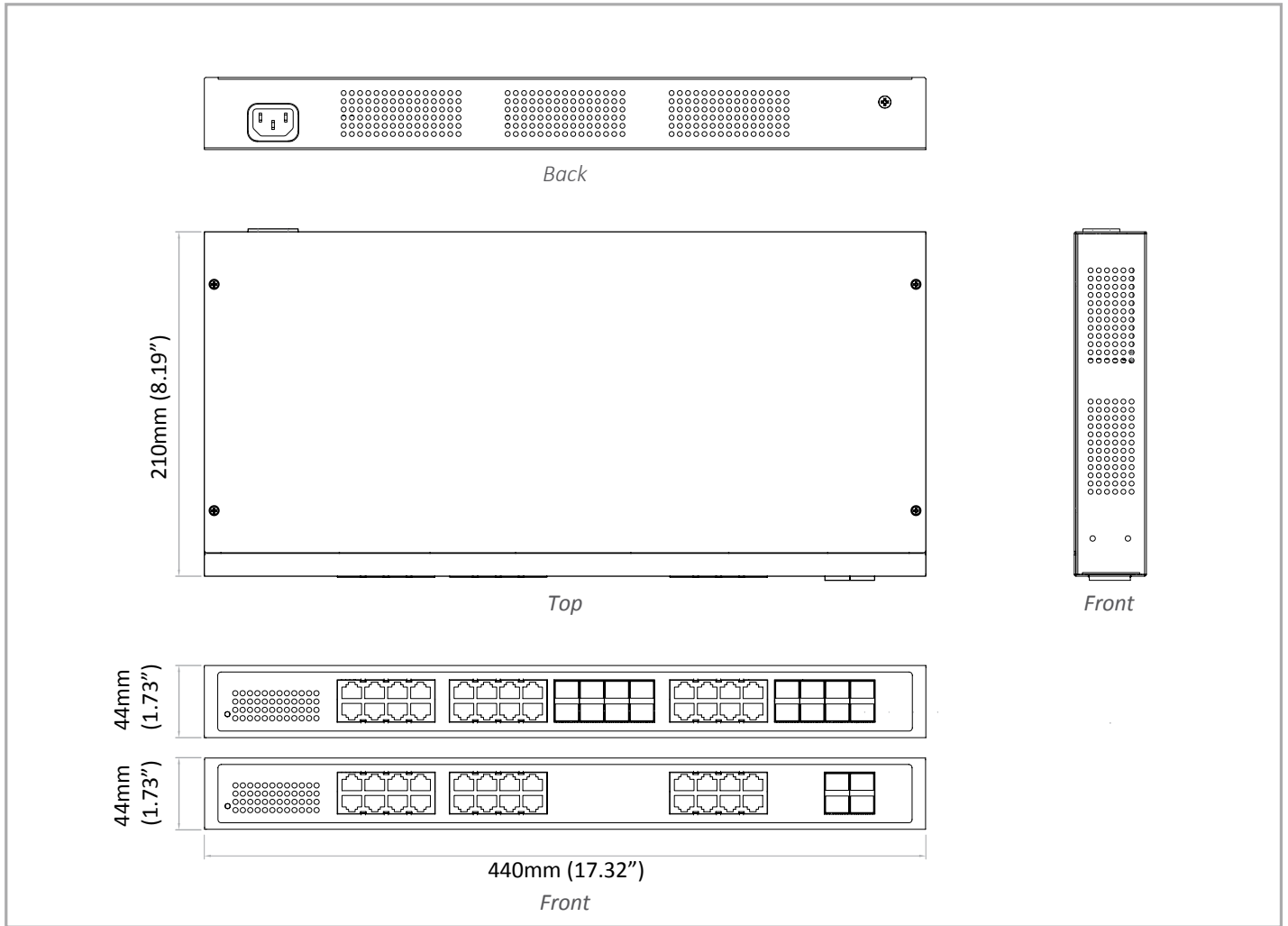
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#### IEC60068-2-6 Fc (Vibration)

#### IEC60068-2-27 Ea (Shock)

#### IEC60068-2-32 Ed (Free fall)

## Dimensions



## Ordering Information

### Model

<b>EX39924-16</b>	Industrial Unmanaged 24-port 10/100/1000BASE-T (16-port combo SFP) Ethernet Switch
<b>EX39924-4</b>	Industrial Unmanaged 24-port 10/100/1000BASE-T (4-port combo SFP) Ethernet Switch