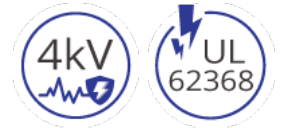


EX42011 Series

Industrial-Grade Fast Ethernet to Fiber Media Converter



Overview

The EX42011 Series provides media conversion between 10/100BASE-T and 100BASE-FX Fiber. Built specifically for mission-critical applications in harsh environments, the EX42011's industrial design features high shock/vibration resistance, electrical noise immunity, a wide operating temperature range from -10 to 60°C. With link down alarming and a wide range of fiber connectivity options, the EX42011 is the ideal media converter for industrial environments.

EtherWAN — "When Connectivity is Crucial."

Spotlight

+ Plug-and-Play Media Converter

Easy installation, plug-and-play without additional configuration, providing store-and-forward data transmission

+ 4kV Surge Protection on Data port

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

+ Wide Power Input Range

From 12 to 48VDC voltage input range

Specifications

+ Technology

Standards

IEEE 802.3 10BASE-T
IEEE 802.3u 100BASE-TX and 100BASE-FX
IEEE 802.3x Full duplex and flow control

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

+ Interface

Ethernet Ports

10/100BASE-TX: 1 ports
100BASE-FX: 1 ports

LED Indicators

Per Unit: Power 1
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

-25 to 85°C (-13 to 185°F)

Ambient Relative Humidity

5% to 95% (non-condensing)

+ Power

Input

12 to 48VDC (Terminal Block)

Power Consumption

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

Protection

Reverse Polarity Protection

+ Mechanical

Casing

Aluminum Case
 IP30

Dimensions

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

Weight

0.2Kg (0.44bs.)

Installation

DIN-Rail (top hat type 35mm) or panel mounting

+ Regulatory Approvals

ISO

Manufactured in an ISO 9001 facility

Safety

UL 62368

EMI

FCC Part 15B Class A
 VCCI Class A
 EN 61000-3-2
 EN 61000-3-3
 EN 61000-6-4

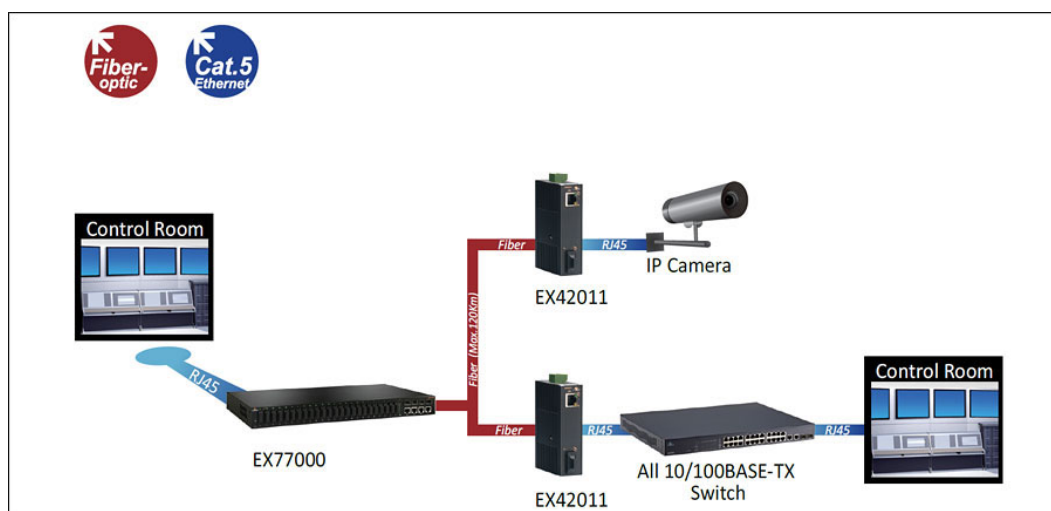
EMS

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

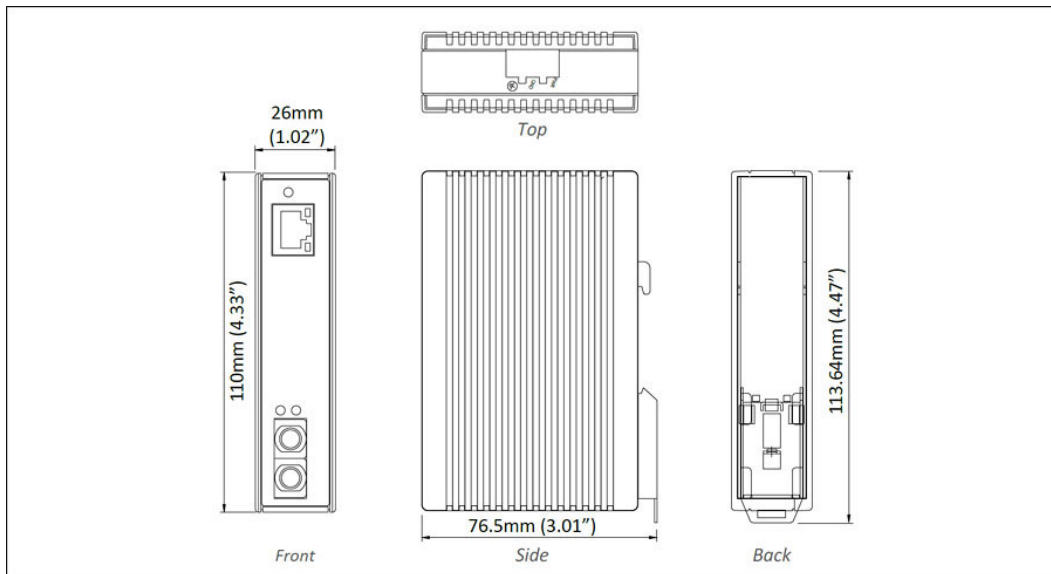
Environmental Test Compliances

IEC 60068-2-6 Fc (Vibration)
 IEC 60068-2-27 Ea (Shock)
 FED STD 101C Method 5007.1 (Free fall w/ package)

Application



Dimensions



Ordering Info

+ Model

EX42011-XY-1-A	10/100BASE-TX to 100BASE-FX Industrial Media Converter with 4kV surge protection
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* DIN-Rail mounting kit included.

+ 100FX Fiber Options (XY)

1A	Multi Mode (SC) - 2Km (1310nm)
1B	Multi Mode (ST) - 2Km (1310nm)
2A	Single Mode (SC) - 20Km (1310nm)
2B	Single Mode (SC) - 40Km (1310nm)
2D	Single Mode (ST) - 20Km (1310nm)
1H	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-2Km
1J	Multi Mode (SC) WDM-TX: 1310nm/RX: 1550nm-5Km
2E	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-20Km
2F	Single Mode (SC) WDM-TX: 1310nm/RX: 1550nm-40Km
1I	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-2Km
1K	Multi Mode (SC) WDM-TX: 1550nm/RX: 1310nm-5Km
2G	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-20Km
2H	Single Mode (SC) WDM-TX: 1550nm/RX: 1310nm-40Km

* More 100FX Fiber options also available upon request.

+ Optional Accessories

HDR-30-24	30W/1.5A DIN-Rail 24VDC Industrial Power Supply
HDR-60-24	60W/2.5A DIN-Rail 24VDC Industrial Power Supply
EDR-75-24	75W/3.2A DIN-Rail 24VDC Industrial Power Supply
EDR-120-24	120W/5A DIN-Rail 24VDC Industrial Power Supply
EX41-145046-X	Power Supply 45W 12VDC with Open Wire (X) = 1: US, 2: EU, 3: UK, 4: AU, 5: JP, 6: SA

