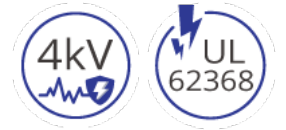


## EX42011 系列

工業級 10/100BASE-TX- 100BASE-FX 光電轉換器



### 產品介紹

EX42011系列為輕薄型設計，工業級鋁軌式安裝光電轉換器，具備1個10/100BASE乙太網路連接搭配1個100BASE-FX光纖埠，產品隨插即用，支援熱插拔，不須額外設定。

EX42011系列支援4kV突波防護，符合EN 61000-4-5標準，工業等級設計可承受強力的落摔衝擊、防震動及抗電磁波干擾可在-10到60°C寬溫環境下穩定運作，其輕巧外型設計針對工廠、倉庫和沒有氣溫控制的場域應用是最佳解決方案。

EtherWAN — "When Connectivity is Crucial."

### 產品亮點

#### + 簡易安裝方式

隨插即用

#### + 高突波防護設計

支援4kV突波防護符合EN 61000-4-5標準

#### + 電源輸入範圍

支援電源輸入範圍12-48VDC

## 產品規格

### + 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

### + 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 (0.44lbs.)

#### Installation

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

### + 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)

### + 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)

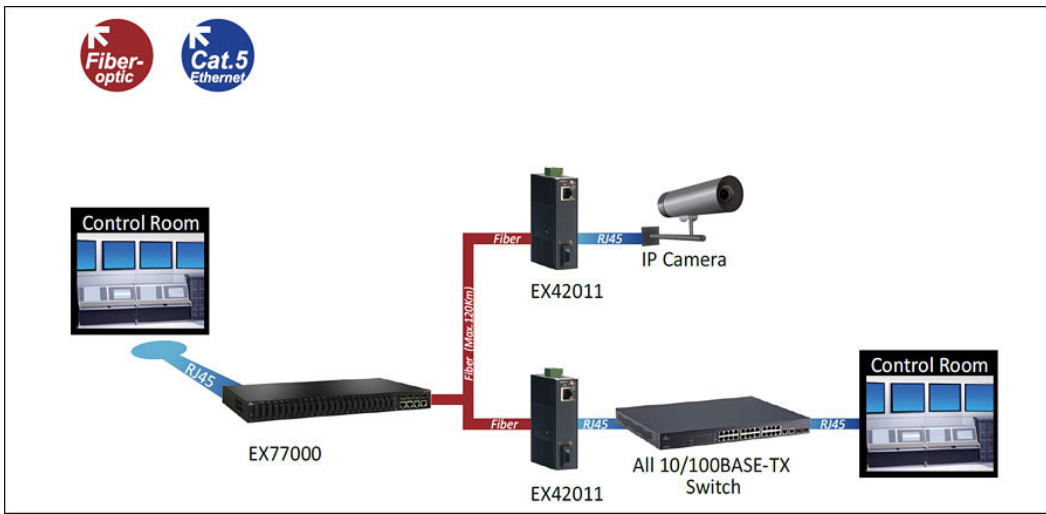
#### Signal ports: ±4kV line-to-ground

• EN 61000-4-6 (Induced RFI Standards)  
• EN 61000-4-8 (Magnetic Field Standards)

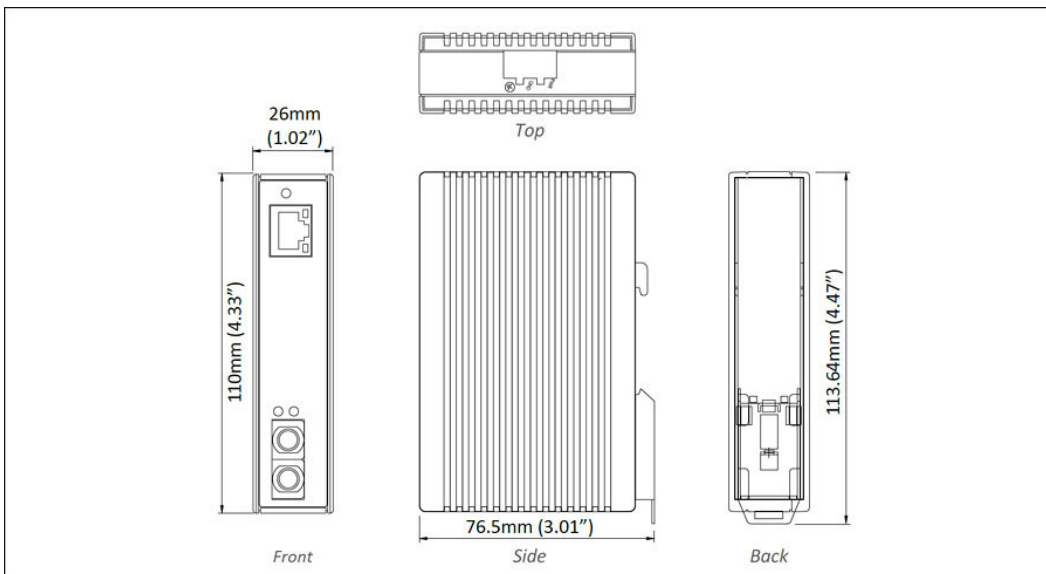
#### Environmental Test Compliances

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

## 產品應用圖



## 產品尺寸圖



## 訂購型號

### 型號

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

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