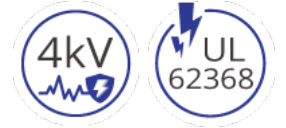
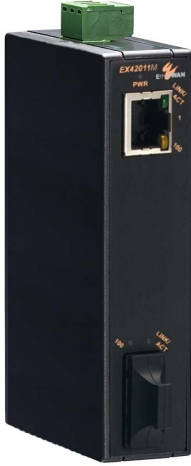


## EX42011 系列

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以太網路連接搭配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

### 電源輸入範圍

- » 支援電源輸入範圍12-48VDC

### 工業等級設計

- » 操作溫度(-10到60°C)
- » 支援鋁軌式安裝

### 高突波防護設計

- » 支援4kV突波防護符合EN 61000-4-5標準

## 產品規格

### 技術

#### 標準

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

#### Forward and Filtering Rate

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

#### 緩衝記憶體封包

- 448K bits

#### 傳輸型式

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

### 電源

#### 輸入電壓

- 12-48VDC (Terminal Block)

#### 電力功耗

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

#### Protection

- Reverse polarity protection
- 

### 機構

#### 機殼

- 塑膠外殼
- IP30

#### 尺寸

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

### 重量

- 0.2Kg (0.44bs.)

### 安裝方式

- DIN-Rail (Top hat type 35mm) mounting
- 

## 介面

### 乙太網路埠

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

### LED 指示燈號

- Per Unit: Power 1
  - Per Port: Link/Activity (Green), Speed (Yellow)
- 

## 環境

### 工作溫度

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

### 儲存溫度

- -25 to 85°C (-13 to 185°F)

### 工作濕度

- 5% to 95% (無凝結)
- 

## 通過認證

### 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 RFI Standards)
  - EN 61000-4-4 (Burst Standards)
  - EN 61000-4-5 (Surge Standards)
- Signal ports:  $\pm 4\text{kV}$  line-to-ground
- EN 61000-4-6 (Induced RFI Standards)
  - EN 61000-4-8 (Magnetic Field Standards)

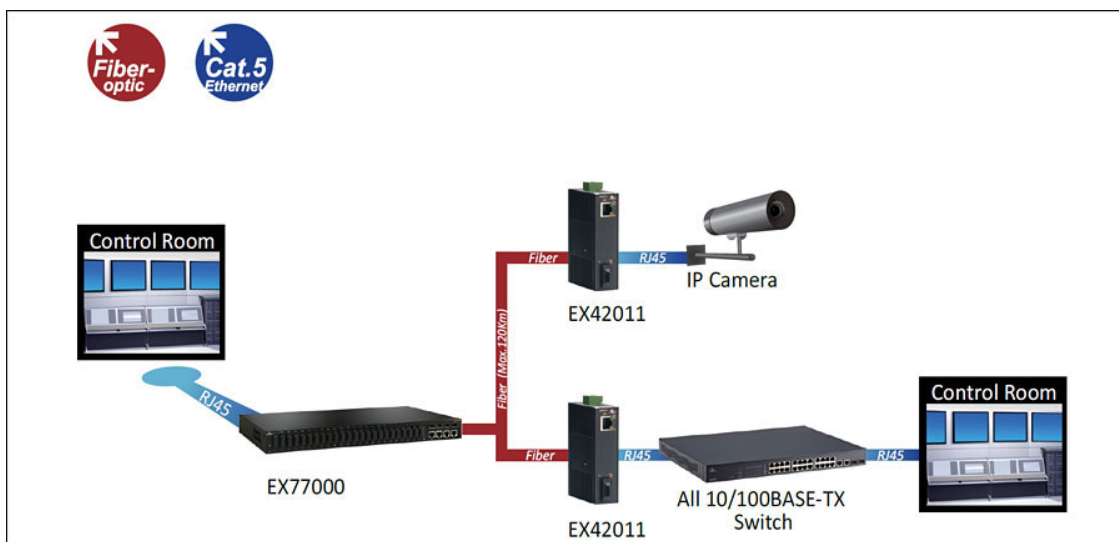
## Environmental Test Compliance

IEC 60068-2-6 Fc (Vibration Resistance)

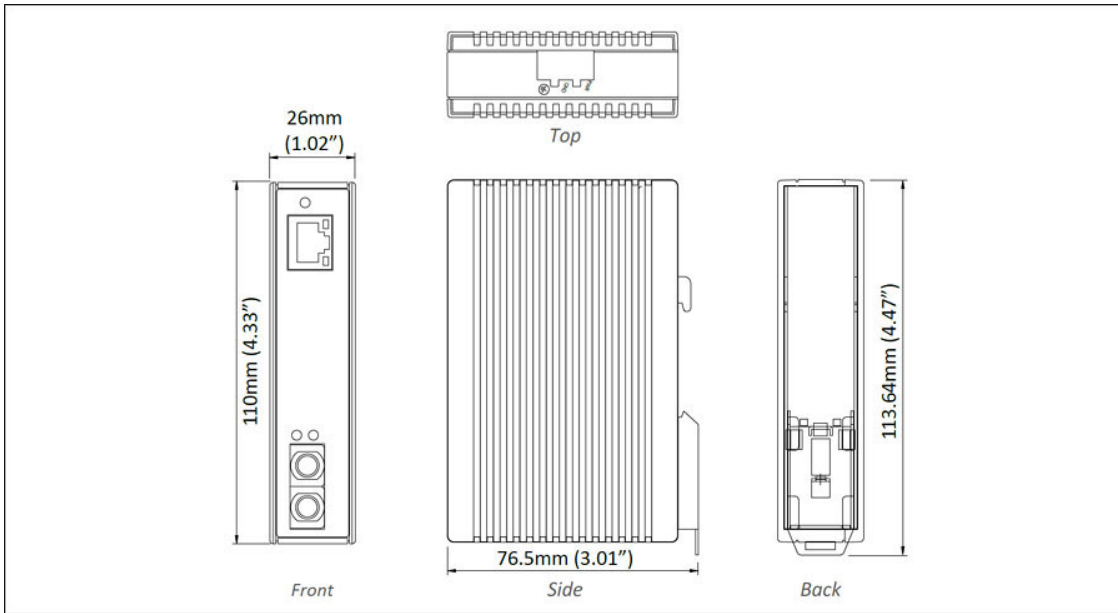
IEC 60068-2-27 Ea (Shock)

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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