

# ET2111 Series

Industrial (Card Type) Unmanaged 2-port 10/100Base-TX + 1-port 100Base-FX Ethernet Switch



## Features

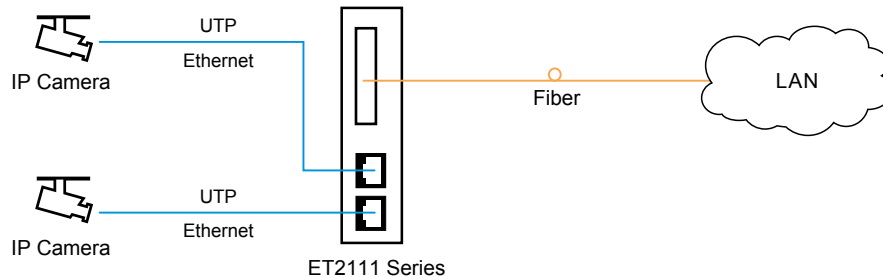
- ▶ Converts 10/100Base-TX to 100Base-FX
- ▶ Full/Half duplex, Auto-Negotiation
- ▶ Singlemode or Multimode fiber operation
- ▶ Single or Dual-core fiber with SC or ST connectors
- ▶ Store and forward switching mechanism
- ▶ MDI/MDI-X Auto-Crossover supported
- ▶ Plug-and-Play
- ▶ Wall-mount or operate in ET-C12 rack mount chassis
- ▶ -20°C to 60°C (-4°F to 140°F) operating temperature



## Warranty

- ▶ 5-Year Warranty

## Typical Application



## Specifications

### Ethernet

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX/FX IEEE802.3x Flow Control
Processing Type	Store-and-Forward Half-duplex, Full-duplex
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps)
Cabling	10Base-T: Cat5 or above 100Base-TX: Cat5 or above
Maximum Distance	Cat5 UTP up to 100m
Address Table Size	2048 MAC Addresses
Connector	2 x RJ45

### Optical

Cabling	62.5/125µm (Multimode) 9/125µm (Singlemode)
Maximum Distance	2Km (Multimode) 20Km (Singlemode)
Wavelength	1310nm 1210/1550nm
Connector	SC/ST

### Electrical and Mechanical

Input Power	12VDC (DC Jack)
Power Consumption	2.4W Max. 0.21A@12VDC
LED Indicators	
Power	Power Status
10/100TX (per port)	Link/Activity, Speed
100FX (per port)	Link/Activity

## Specifications

Dimensions (W x D x H)	Standalone: 122 × 30 × 103 mm / Card Module: 130 × 31 × 111 mm
Weight	Standalone: 0.33 Kg (0.43Kg with PA) / Card Module: 0.33 Kg
Casing	Aluminum Case
Mounting options	Wall Mount / ET-C12 Rack Mount

## Environmental

Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	0% to 95% non-condensing
MTBF	> 200,000 hrs

## Regulatory Approvals

ISO9001  
 FCC Class A  
 EN55022:2006 Class A  
 EN 55024:1998 + A1:2001 + A2:2003

## Ordering Information

Available Model	Description
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**ET2111-X-YY** Industrial (Card Type) Unmanaged 2-port 10/100Base-TX + 1-port 100Base-FX Ethernet Switch

(X) =	Fiber Options	Wavelengths	Link Budget	Max. Distance
<b>A</b>	Multimode/2-fiber/SC	1310nm	14dB	2km
<b>B</b>	Singlemode/2-fiber/SC	1310nm	21dB	20km
<b>C</b>	Multimode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	21dB	2km
<b>D</b>	Multimode/WDM 1-fiber/SC	TX:1550nm/RX:1310nm	21dB	2km
<b>E</b>	Singlemode/WDM 1-fiber/SC	TX:1310nm/RX:1550nm	19dB	20km
<b>F</b>	Singlemode/WDM 1-fiber/SC	TX:1550nm/RX:1310nm	19dB	20km
<b>G</b>	Multimode/2-fiber/ST	1310nm	14dB	2km
<b>H</b>	Singlemode/2-fiber/ST	1310nm	21dB	20km
<b>I</b>	Multimode/WDM 1-fiber/ST	TX:1310nm/RX:1550nm	21dB	2km
<b>J</b>	Multimode/WDM 1-fiber/ST	TX:1550nm/RX:1310nm	21dB	2km
<b>K</b>	Singlemode/WDM 1-fiber/ST	TX:1310nm/RX:1550nm	19dB	20km
<b>L</b>	Singlemode/WDM 1-fiber/ST	TX:1550nm/RX:1310nm	19dB	20km

(X) =	Installation
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**SA** Standalone Wall-Mount  
**CM** Card Module

### Optional Accessories (to be purchased separately)

**ET-C12** 12-slot 19 inch 3U Rack Mount chassis (card module type only)

### Package Checklist

- Unmanaged Network Switch x 1
- Built-in Wall-mount Bracket(Wall-mount type only) x 1
- 1.25A 12VDC power Adapter with open wire for terminal block (Wall-mount type only) x 1
- Quick Installation Guide x 1

NOTES: (1) Transmission distances will suffer if additional losses are introduced by the optical connectors, fusions, splices and the fibers within the network.  
 (2) Operating distance of multimode is limited by the characteristics of the fiber bandwidth.  
 (3) For longer transmission distances or any special requirements, please feel free to consult our sales.

