ET2111 Series

OT Systems

Unmanaged Industrial 2-port 10/100BASE-TX + 1-port 100BASE-FX Ethernet Switch

E2 10/100 E1 100FX

OT systems' ET2111 Ethernet Switch offers an easy and affordable solution for network managers to connect 10/100 Fast Ethernet from UTP to fiber optic cabling. The switches use a high performance auto-sensing exchange chip for full functionality of transfer and exchange, guaranteeing the safety and stability of data transfer. The switches are available in Standalone Wall-mount and can also operate in ET-C12 rack mount chassis, taking care of different installations.

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
- -20°C to 60°C (-4°F to 140°F) operating temperature
- Wall-mount or operate in ET-C12 rack mount chassis

Ordering Information

Model	*Description*
ET2111-X-YY	2-port 10/100Base-TX + 1-port 100Base-FX Ethernet Switch

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

(YY) =	*Installation*	*Power Adapter*
SA	Standalone Wall-mount	**ET-PA/12V.** 1.25A 12VDC power adapter *(Included)*. DC Jack. (US, European, UK or Australian power plug available)
CM	Card Module	**From ET-C12 chassis** *(Purchase Separately)*

NOTES: (1) Transmission distance 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) Please feel free to consult factory for any special requirement and customization

ET2111 Series

Specifications

Ethernet

Standards:	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX/FX IEEE802.3x
Processing Type:	Store and forward Half-duplex, Full-duplex
Forward and Filter Rate:	14,881pps (10Mbps) 148,810pps (100Mbps)
Cabling:	10Base-T: Cat5 or above 100Base-TX: Cat5 or above
Maximum Distance:	Cat5 UTP up to 100m
Connector:	2 x RJ45
Address table size:	2048MAC addresses

Optical

Cabling:	62.5/125μm (Multimode) 9/125μm (Singlemode)
Maximum Distance:	2km (Multimode) 20km (Singlemode)
Wavelength:	1310 nm 1310/1550nm
Connector:	SC or 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
Dimensions (WxDxH):	SA: 122 X 30 X 103mm CM: 130 X 31 X 111mm
Weight:	SA: 0.33Kg (0.43kg including PA) CM: 0.33Kg
Casing:	Aluminum case
Mounting Options:	Wall-mount Card Module (in ET-C12 rack mount chassis)

Environmental

Operating Temperature:	-20°C to 60°C (-4°F to 140°F) Tested -40°C to 70°C (-40°F to 158°F)
Storage Temperature:	-40°C to 85°C (-40°F to 185°F)
Relative Humidity:	0% to 95% non-condensing

Regulatory Approvals

ISO9001
FCC Class A
En55022: 2006 Class A
En55024: 1998 + A1: 2001 + A2: 2003