

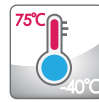
IET2111/IET2111H Series

Hardened / Industrial Unmanaged 2-port 10/100Base-TX to 1-port 100Base-FX Ethernet Switch



Features

- ▶ Broadcast Storm Control
- ▶ Link Fault Pass Through
- ▶ 448 Kbit Packet Buffer Memory
- ▶ Enable / Disable Power Alarm
- ▶ Fanless design
- ▶ Redundant power input (12 ~ 58 VDC) & Reverse power protection
- ▶ IP30 case
- ▶ DIN-Rail and Wall mounting option
- ▶ Wide Operating Temperature Range
-40°C to 75°C (-40°F to 167°F) (Hardened Series)



Warranty

- ▶ 5-Year Warranty

Specifications

Ethernet

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX/FX IEEE802.3x Flow Control
Packet Buffer Memory	448 Kbits
Processing Type	Store and forward, wire-speed/non-blocking switching engine
Switch Fabric	600 Mbps
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps)
Ethernet Ports	2 x RJ45 10/100 Mbps Auto-negotiation; MDI/MDI-X Auto-crossover
Flow control	IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)
Address Table Size	1 K
LFPT	Link Fault Pass Through
Dip Switches	Enable / Disable broadcast storm protection Enable / Disable Power Alarm

Optical

Fiber port	1 x 100BaseFX port
Fiber Connector	2 x LC
Cabling	62.5/125um (multi-mode) 9/125um (single-mode)
Wavelength	2-Fiber: 1300nm (multi-mode), 1310nm (single-mode)
Maximum Distance	2Km (multi-mode) 20Km (single-mode)

Electrical and Mechanical

Input Power	12-58 VDC, Redundant Input Terminals
Power Consumption	2.2 W
Reverse power protection	Present
LED Indicators	
Power	Power Status
10/100TX (per port)	Link/Activity & Speed
100FX (per port)	Link/Activity & Port Speed
Dimensions (W x D x H)	29.1 x 89.4 x 109.2mm (without DIN rail clip)
Ingress protection	IP30
Weight	0.29 Kg
Mounting options	DIN-Rail / Wall-mount

Specifications

Environmental

Operating Temperature	
IET2111H Series	-40°C to 75°C (-40°F to 167°F) (cold start at -40°C)
IET2111 Series	-10°C to 60°C (14°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% non-condensing
MTBF	> 200,000 hrs

Compliance & Regulatory Approvals

ISO9001	Yes
EMC	FCC Part 15, CISPR 22 (EN55022) Class A, IEC61000-4-2, -3, -4, -5, -6 (level 3)
Vibration, shock & freefall	IEC60068-2-6, -27, -32 (pending)
Compliance	CE/FCC EN50121-4 (pending)
Electrical Safety	UL-508/CSA C22, EN61010-1, CE (pending)
RoHS and WEEE	RoHS (Pb Free) and WEEE compliant

Ordering Information

Available Model	Description
IET2111-X-DR	Industrial Unmanaged 2-port 10/100Base-TX to 1-port 100Base-FX Ethernet Switch
IET2111H-X-DR	Hardened Unmanaged 2-port 10/100Base-TX to 1-port 100Base-FX Ethernet Switch

(X) =	Fiber Options	Wavelengths	Link Budget	Max. Distance
M	Multimode/2-fiber/LC	1300nm	12dB	2km
N	Singlemode/2-fiber/LC	1310nm	19dB	20km

Optional Accessories (to be purchased separately)

Power Supply Please refer to the power supply information at the back of the catalogue, our website www.ot-systems.com, or consult OTS sales at sales@ot-systems.com for your power system design properly.

Package Checklist

■ Unmanaged Switch	x 1
■ Wall Mount Plates	x 2
■ DIN-Rail Clip	x 1
■ M4 Screws (for the Wall Mount Plates & DIN Clip)	x 4
■ DC Power Terminal Block	x 1
■ Fiber Protective Cap	x 2
■ 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.



OT Systems Ltd., Sep 2015

Due to continuous improvement, all product specifications are subject to change without further notice.