

IET6121 Series

Hardened / Industrial Unmanaged 6-port 10/100Base-TX + 2-port 100Base-FX SFP Ethernet Switch



Features

- ▶ Multicast / Broadcast / Flooding Storm Control
- ▶ 448 Kbit Packet Buffer Memory
- ▶ Power alarm relay output
- ▶ Fanless design
- ▶ Dual power input (12 ~ 58 VDC) & Reverse power protection
- ▶ IP30
- ▶ DIN-Rail and Wall mounting option
- ▶ Hardened Series Wide Operating Temperature Range -40°C to 75°C (-40°F to 167°F)



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	1.6 Gbps
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps)
Ethernet Ports	6 x RJ45 10/100 Mbps speed; Auto-negotiation; MDI/MDI-X Auto-crossover ports
Flow control	IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)
Address Table Size	1 K
Dip switches	Enable / disable broadcast storm protection; Enable / Disable Power Alarm

Interfaces

SFP (pluggable) Ports	2 x 100BaseSFP slot
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Electrical and Mechanical

Input Power	12-58 VDC, Redundant Input Terminals
Power Consumption	3.85 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)	39 x 96.9 x 117.8 mm (without DIN clip)
Ingress protection	IP30
Weight	0.295 Kg
Mounting options	DIN-Rail / Wall-mount

Environmental

Operating Temperature	
IET6121H-S-DR	-40°C to 75°C (-40°F to 167°F) (cold startup at -40°C)
IET6121-S-DR	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Relative Humidity	5% to 95% RH non-condensing
MTBF	> 200,000 hrs

Specifications

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
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IET6121-S-DR Industrial Unmanaged 6-port 10/100Base-TX + 2-port 100Base-FX SFP Smart Ethernet Switch

IET6121H-S -DR Hardened Unmanaged 6-port 10/100Base-TX + 2-port 100Base-FX SFP Smart Ethernet Switch

Optional Accessories (to be purchased separately)

SFP (S) = SFP Option. Please select your SFP on our SFP Modules page at the back of the catalogue or our website www.ot-systems.com for details.

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
■ SFP Protective Cap	x 2
■ Quick Installation Guide	x 1

