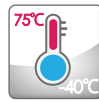# IET5100 Series

Hardened / Industrial Unmanaged 5-port 10/100Base-TX Ethernet Switch

Features

- ► Broadcast Storm Control
- ► 448 Kbit Packet Buffer Memory
- ► Power alarm relay output
- ► 1Mbit Packet Buffer Memory
- ► 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
	IEEE802.3x Flow Control
Packet Buffer Memory	448 Kbits
Processing Type	Store and forward, wire-speed/non-blocking switching engine
Switch Fabric	1 Gbps
Forward Filter Rate	14,880pps (10Mbps)
	148,800pps (100Mbps)
Ethernet Ports	5 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
Fault contact	Power alarm relay output
Dip switches	Enable / disable broadcast storm protection; Enable / Disable Power Alarm

Electrical and Mechanical

Input Power	12-58 VDC, Redundant Input Terminals
Power Consumption	1.65 W
Reverse power protection	Present
LED Indicators	
Power	Power Status
10/100TX (per port)	Link/Activity & Speed
Dimensions (W x D x H)	29.1 x 89.4 x 109.2 mm (without DIN clip)
Ingress protection	IP30
Weight	0.29 Kg
Mounting options	DIN-Rail / Wall-mount

Environmental

Operating Temperature	
IET5100H-DR	-40°C to 75°C (-40°F to 167°F) (cold startup at -40°C)
IET5100-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% 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
IET5100-DR	Industrial Unmanaged 5-port 10/100Base-TX Ethernet Switch
IET5100H-DR	Hardened Unmanaged 5-port 10/100Base-TX Ethernet Switch

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
■ Quick Installation Guide	x 1

Unmanaged Ethernet Switches

OT Systems Ltd., Sep 2015
Due to continuous improvement, all product specifications are subject to change without further notice.