IET2112S/IET2212S Series

Hardened / Industrial Smart 2-port 10/100Base-TX or 10/100/1000Base-TX + 1-port 100/1000Base-FX SFP Ethernet Switch

Features

► Multicast/Broadcast/Flooding Storm Control

► Support 802.1p QoS, 4 queues per port

► 9K Jumbo Frames

► 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
	IEEE802.3ab 1000Base-T (Gigabit Ethernet over copper wiring: IET2212SH-S-DR, IET2212S-S-DR)
	IEEE802.3z 1000Base-X
	IEEE802.3x Flow Control
Packet Buffer Memory	1 Mbits
Processing Type	Store and forward, L2 wire-speed/non-blocking switching engine
Switch Fabric	IET2112S Series: 2.4 Gbps, IET2212S Series: 6Gbps
Forward Filter Rate	14,880pps (10Mbps)
	148,800pps (100Mbps)
	1,488,000pps (1000Mbps)
Ethernet Ports	Auto-negotiation; MDI/MDI-X Auto-crossover ports,
	ET2112 Series: 2 x RJ45 (10/100 Mbps); ET2212S Series :2 x RJ45 (10/100/1000 Mbps)
Flow control	IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)
Jumbo frames	9K Bytes
Address Table Size	2 K

Optical

SFP (pluggable) Ports	1 x 100/1000Base-FX SFP slot

Electrical and Mechanical

Input Power	12-58 VDC, Redundant Input Terminals
Power Consumption	3.5 W
Reverse power protection	Present
LED Indicators	
Power	Power Status
10/100TX (per port), 10/100/1000TX (per port)	Link/Activity & Speed
100/1000FX (per port)	Link/Activity & Port Speed
Dimensions (W x D x H)	29.1 x 89.4 x 112.2 mm (without DIN clip)
Ingress protection	IP30
Weight	0.295 Kg
Mounting options	DIN-Rail / Wall-mount

Smart Features

Traffic Management

QoS	IEEE 802.1p, 4 queues per port
Traffic Shaper	Port-based Traffic Shaping
Storm Control	Multicast / Broadcast / Flooding Storm Control

Specifications

Environmental

Operating Temperature	
IET2112SH-S-DR, IET2212SH-S-DR	-40°C to 75°C (-40°F to 167°F) (cold startup at -40°C)
IET2112S-S-DR, IET2212-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

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
IET2112S-S-DR	Industrial Smart 2-port 10/100Base-TX + 1-port 100/1000Base-FX SFP Ethernet Switch
IET2112SH-S-DR	Hardened Smart 2-port 10/100Base-TX + 1-port 100/1000Base-FX SFP Ethernet Switch
IET2212S-S-DR	Industrial Smart 2-port 10/100/1000Base-TX + 1-port 100/1000Base-FX SFP Ethernet Switch
IET2212SH-S-DR	Hardened Smart 2-port 10/100/1000Base-TX + 1-port 100/1000Base-FX SFP 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
- Quick Installation Guide — x 1