

IET2422S Series

Hardened / Industrial Smart 24-port 10/100/1000Base-TX + 2-port 100/1000Base-FX SFP Ethernet Switch



Features

- ▶ Multicast / Broadcast / Flooding Storm Control
- ▶ Support 802.1p QoS, 8 queues per port
- ▶ 9K Jumbo Frames
- ▶ 4Mbit Packet Buffer Memory
- ▶ Fanless design
- ▶ AC input power options
- ▶ IP30
- ▶ 19" rack mounting
- ▶ 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 IEEE802.3z 1000Base-X IEEE802.3x Flow Control
Packet Buffer Memory	4 Mbits
Processing Type	Store and forward, wire-speed/non-blocking switching engine
Switch Fabric	52 Gbps
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps)
Ethernet Ports	24 x 10/100/1000 Mbps speed; Auto-negotiation; MDI/MDI-X Auto-crossover ports
Flow control	IEEE 802.3x (Full Duplex) and Back-Pressure (Half Duplex)
Jumbo frames	9K Bytes
Address Table Size	8 K

Optical

SFP (pluggable) Ports	2 x 100Base-FX/1000Base-X SFP slot
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Electrical and Mechanical

Input Power	100/240 VAC, 50 ~ 60 Hz
Power Consumption	19.8W (IET24222SH-S, IET24222S-S) 35W (IET24222SH-S-RP, IET24222S-S-RP)
LED Indicators	
Power	Power Status
10/100/1000TX (per port)	Link/Activity & Speed
10/100/1000FX (per port)	Link/Activity & Port Speed
Dimensions (W x D x H)	440 x 44 x 253 mm
Ingress protection	IP30
Weight	3 Kg
Mounting options	Rack-mount

Smart Features

Traffic Management

QoS	IEEE 802.1p, 8 queues per port
Traffic Shaper	Port-based Traffic shaping
Storm Control	Multicast / Broadcast / Flooding Storm Control

Specifications

Environmental

Operating Temperature	
IET24222SH-S, IET24222SH-S-RP	-40°C to 75°C (-40°F to 167°F) (cold startup at -40°C)
IET24222S-S, IET24222S-S-RP	-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

Compliance & Regulatory Approvals

ISO9001	Yes
EMI	Radiated Emission: CISPR 22, Conducted Emission: EN55022 (Class A)
Vibration, shock & freefall	IEC60068-2-6, -27, -32 (pending)
Compliance	CE/FCC
EMS	ESD: IEC61004-4-2 Radiated RF (RS): IEC61004-4-3 EFT: IEC61000-4-4 Surge: IEC61000-4-5 Conducted RF (CS): IEC61000-4-6
RoHS and WEEE	RoHS (Pb Free) and WEEE compliant

Ordering Information

Available Model	Description
IET24222S-S	Industrial Smart 24-port 10/100/1000Base-TX + 2-port 100/1000Base-FX SFP Ethernet Switch
IET24222S-S-RP	Industrial Smart 24-port 10/100/1000Base-TX + 2-port 100/1000Base-FX SFP Ethernet Switch, Redundant AC input
IET24222SH-S	Hardened Smart 24-port 10/100/1000Base-TX + 2-port 100/1000Base-FX SFP Ethernet Switch
IET24222SH-S-RP	Hardened Smart 24-port 10/100/1000Base-TX + 2-port 100/1000Base-FX SFP Ethernet Switch, Redundant AC inputs

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.

Package Checklist

■ Rack-mount Ethernet Switch	x 1
■ Rack-mount Bracket	x 2
■ SFP Ethernet Port Dust Cover	x 2
■ Screws (for bracket)	x 6
■ Quick Installation Guide	x 1

