IS-DF308 Series

8-port Fast Ethernet Unmanaged Layer 2 Industrial Ethernet Switch

The ISON IS-DF308 series are cost-effective unmanaged Fast Ethernet Switches that provide both copper and fiber connectivity according to field needs. With plug-n-play, easy to use, and its compact size, the IS-DF308 Series can easily be used in factory production line, embedded into machine system or applied for any simple network expansion. The IS-DF308 Series provide default network protection functions such as broadcast storm protection function, which can prevent unexpected traffic flood to the network. The IS-DF308 Series is the perfect solution for general application and edge site installation.

Key features

- 8 / 6 10/100Mb Copper ports with 0 / 2 100 SFP fiber ports
- IEEE 802.3x flow control & back-pressure
- Layer 2 wire-speed switching engine
- Multicast / Broadcast / Flooding Storm Control
- Fan-Less design
- Wide-temperature range (-40~75ºC)
- Redundant power input (12~58 VDC)
- Reverse power protection
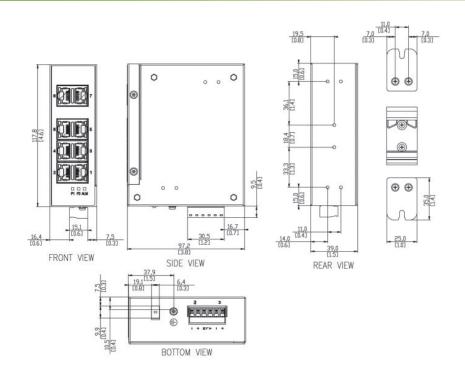- Din-Rail or wall mount installation
- Relay Output Alarm
- IP 30 Protection
- 2KV Surge immunity on RJ45 ports
- 1.5KV Hipot for port isolation

Specification

Ethernet

Operating Mode	Store and Forward, L2 wire-speed/non-blocking switching engine
MAC addresses	1K
Packet Buffer	1Mbits

RJ45 Copper ports

Speed	10/100 Mbps
MDI/MDIX Auto-crossover	Support straight or cross wired cables
Auto-negotiation/Duplex	10/100 Mbps speed auto-negotiation; Full & Half Duplex
Ethernet Port Protection	1.5KV VRMS 1minute(Hipot), 2KV surge immunity on RJ45 Copper ports

Fiber Ports

Port Types supported	100 Base SFP Slot
Fiber port connector	LC connector for fiber ports
Optimal fiber cable	Typical 50 or 62.5/125 µm for multimode (mm) Typical 8 or 9/125 µm for single mode (sm)

Power

Power Input	Redundant Power Input, DC Input, terminal Block
Input Voltage Range	12-58 VDC
Reverse power protection	YES
Power Consumption	IS-DF308 4 Watt, IS-DF308-F 5.5 Watt, 7 Watt (With Fiber)

Indicators

Power status indication	Power Input status
Ethernet port indication	Link & speed

Environmental and Compliances

Operating Temperature	-40~75ºC (Cold startup at -40ºC)
Storage Temperature	-40~85ºC
Humidity	5~95% (Non-Condensing)
Vibration, shock, free fall	IEC-60068-6, -27, -32
Certification Compliance	CE, FCC
Electrical safety	CE
EMC	FCC Part 15, CISPR 22 (EN55022) Class A IEC-61000-4-2, -3, -4, -5, -6 (Level 3)
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>25 years

Mechanical

Protection	IP30
Dimension	117.8mm(H) x 39mm (W) x 96.9mm (D) (without DIN rail kit)
Weight	395g
Installation	DIN-Rail mounting; Wall mounting
Relay Output	1A, 24V, Normal Open

Dimension Diagram

Ordering Information

Available Models	Description	10/100Mb TX	100Mb FX
IS-DF308-2F	Industrial 8 port Fast Ethernet Layer 2 unmanaged Ethernet Switch	6	2
IS-DF308	Industrial 8 port Fast Ethernet Layer 2 unmanaged Ethernet Switch	8	

Accessories

1. 100 Mb SFP Modules