IS-DG308 Series

8-port Gigabit Unmanaged Layer 2 Industrial Ethernet Switch

The IS-DG308 Series are full Gigabit unmanaged Ethernet Switches that provide easy to access, plug-n-play Gigabit ports for applications; a full Gigabit network provides higher throughput than legacy Fast Ethernet network. The cost effective IS-DG308 Series unmanaged switches can be easily used in factory production line or embedded into machine system. The IS-DG308 Series also support some useful function by default for network traffic optimization, such as QoS and storm protection.

Key features

- 8 / 6 Giga Copper ports with 0 / 2 100/1000 SFP ports
- Support 9K Jumbo frames
- IEEE 802.3x flow control & back-pressure
- Layer 2 wire-speed switching engine
- Support IEEE 802.1p TOS/Diffserv, QoS
- Multicast / Broadcast / Flooding Storm Control
- Fan-Less design with wide-temperature range (-40~75°C)
- Redundant power input 12~58 VDC
- Reverse power protection
- Support Din-Rail or wall mount installation
- Support Relay Output Alarm
- IP 30 Protection
- 1.5KV Hipot
- 2 KV surge immunity on RJ45 Copper ports

Specification

Ethernet

Operating Mode	Store and Forward, L2 wire-speed/non-blocking switching engine
MAC addresses	8K
Packet Buffer	4 Mbits
Jumbo frame	9K

RJ45 Copper ports

Speed	10/100/1000 Mbps
MDI/MDIX Auto-crossover	Support straight or cross wired cables
Auto-negotiation/Duplex	10/100/1000 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	100/1000 Base SFP Slot
Fiber port connector	LC/RJ45 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)

Smart Features

QoS	IEEE 802.1p, TOS/Diffserv
Number of Queue	4
Storm Protection	Multicast/Broadcast/Flooding Storm Control
Traffic Shaper	Port-Based Port Sharping

Power

Power Input	Redundant Power Input, DC Input, terminal Block
Input Voltage Range	12-58 VDC

Reverse power protection	YES
Power Consumption	IS-DG308 7.7 Watt, IS-DG308-2F 8.5 Watt

Indicators

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

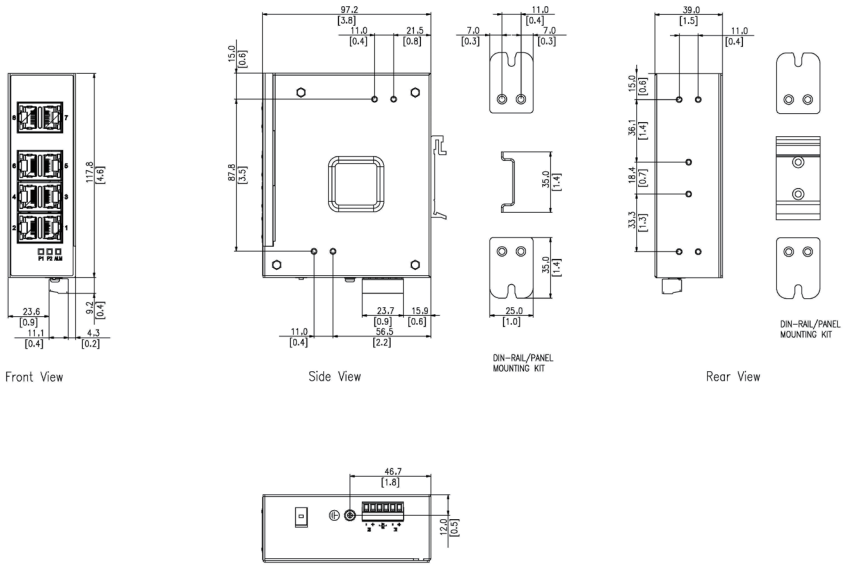
Environmental and Compliances

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 clip)
Weight	395 g
Installation	DIN-Rail mounting; Wall mounting
Relay Output	1A, 24V, Normal Open

Dimension Diagram



Ordering Information

Available Models	Description	10/100/1000Mb TX	100/1000Mb FX
IS-DG308-2F	Industrial 8 port Gigabit Layer 2 unmanaged Ethernet Switch	6	2
IS-DG308	Industrial 8 port Gigabit Layer 2 unmanaged Ethernet Switch	8	

Accessories

1. 100 Mb SFP Modules
2. Gigabit SFP Modules