

IS-DF205 Series

5-port Fast Ethernet Unmanaged Layer 2 Industrial Ethernet Switch



The ISON IS-DF205 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-DF205 Series can easily be used in factory production line, embedded into machine system or applied for any simple network expansion. The IS-DF205 Series is the perfect solution for general application and edge site installation.



Key features

- ▶ 5 10/100Mb Copper ports
- ▶ IEEE 802.3x flow control & back-pressure
- ▶ Layer 2 Line-Speed Switching Fabric, non-blocking
- ▶ Wide-temperature range (-40~75°C)
- ▶ Redundant power input (12~58 VDC)
- ▶ Reverse power protection
- ▶ Din-Rail mountable
- ▶ IP 30 Protection
- ▶ Rugged Fan-less design

Specification

Ethernet

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

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	1.0KV VRMS 1minute (Hipot), 1KV surge immunity on RJ45 Copper ports

Protocols & Standards

IEEE 802.3, IEEE 802.3x, Flow Control, Back Pressure, TCP/UDP

Power

Power Input	Redundant Power Input, DC terminal Block
Input Voltage Range	12-58 VDC
Reverse power protection	YES
Power Consumption	IS-DF205 3.0 Watt

Indicators

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

Environmental and Compliances

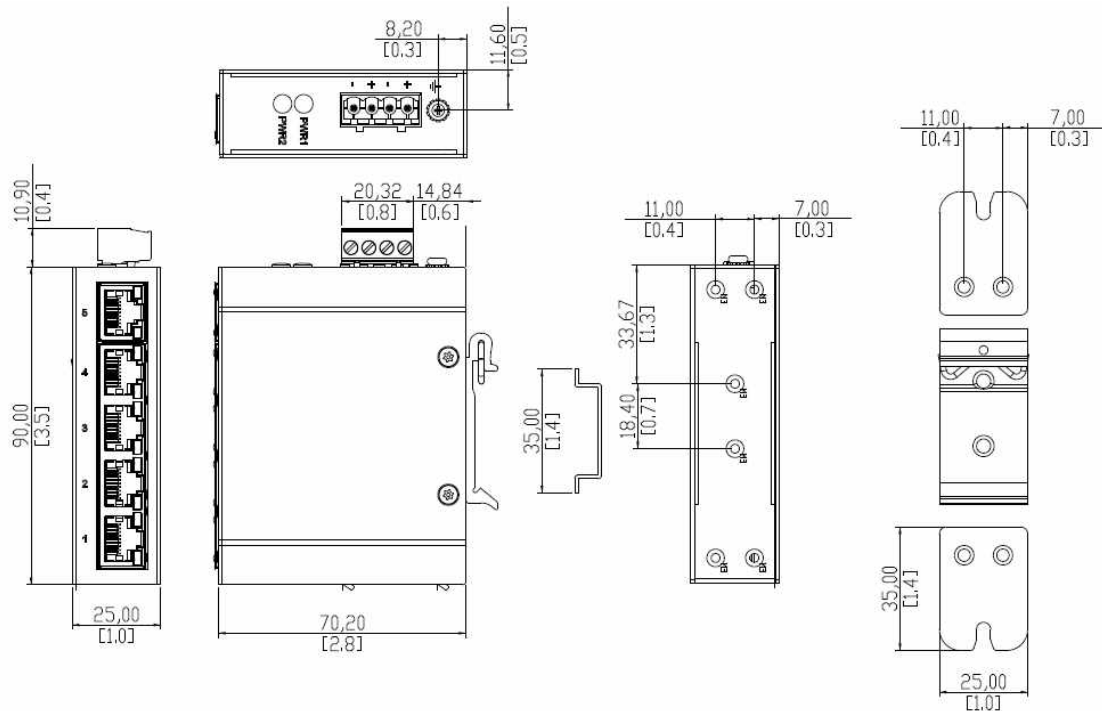
Operating Temperature	-40~75°C (Cold startup at -40°C)
Storage Temperature	-40~85°C
Humidity	5~95% (Non-Condensing)
Vibration, shock, free fall	IEC-60068-2-6, -27, -32

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	90mm(H) x 25mm (W) x 70mm (D) (without DIN rail kit)
Weight	250 g
Installation	DIN-Rail mounting

Dimension Diagram



Ordering Information

Available Models	Description	10/100Mb TX	100Mb FX
IS-DF205	Industrial 5 port 10/100 Mb Layer 2 unmanaged Ethernet Switch	5	0

Accessories

1. IS-RK2U 19" rack mount kit
2. IS-RK4U 19" rack mount kit

Package Checklist

- IS-DF205 Switch
- Quick Installation Guide (Printed)
- DIN-Rail kit