IS-DF324 Series

24-port Fast Ethernet Unmanaged Layer 2 Industrial Ethernet Switch

The ISON IS-DF324 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-DF324 Series can easily be used in factory production line, embedded into machine system or applied for any simple network expansion. The IS-DF324 Series provide default network protection functions such as broadcast storm protection function, which can prevent unexpected traffic flood to the network. The IS-DF324 Series is the perfect solution for general application and edge site installation.

Key features

► Provide 24 100Mb Copper ports
► IEEE 802.3x flow control & back-pressure
► Layer 2 Line-Speed Switching Fabric, non-blocking
► 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	16K
Packet Buffer	4Mbits
Backplane / Switching Fabric	4.8 Gbps

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

Protocols & Standards

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

Power

Power Input	Redundant Power Input, DC Input, terminal Block
Input Voltage Range	12-58 VDC
Reverse power protection	YES
Power Consumption	18 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-60068-2-6, -27, -32
Certification Compliance	CE, FCC, UL 60950-1, CSA C22.2 No. 60950-1, EN 60950-1,
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	138mm x 123.5mm x 97.6mm(LxWxD)
Weight	1.5 kg
Installation	DIN-Rail mounting; Wall mounting
Relay Output	1A, 24V, Normal Open

Dimension Diagram
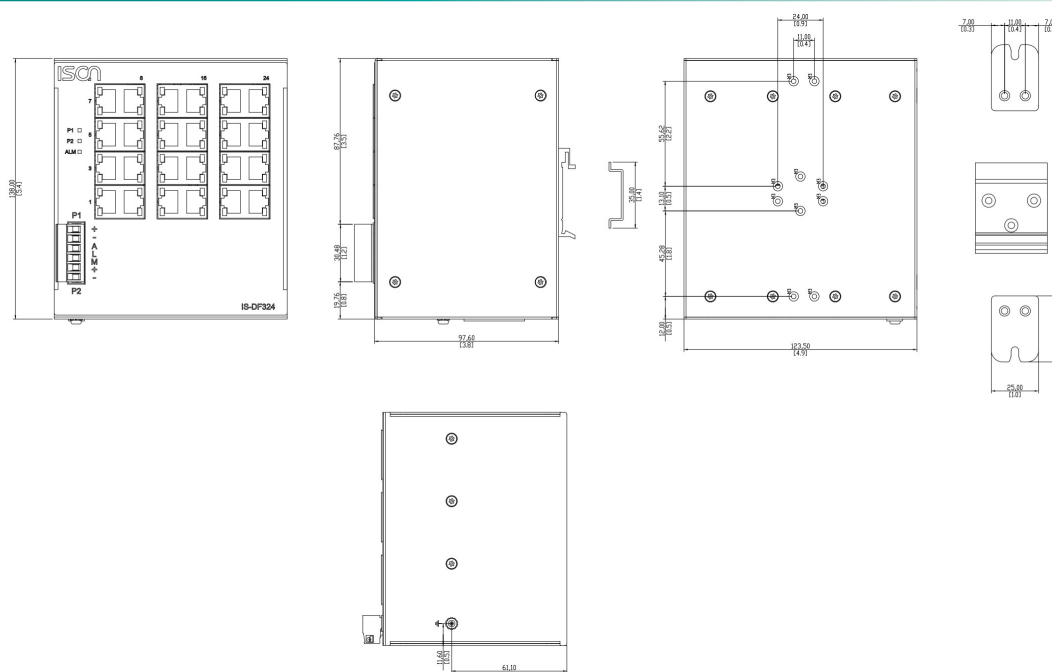
Ordering Information

Available Models	Description	10/100 Mb TX	100 Mb FX
IS-DF324	Industrial 24-port Unmanaged Ethernet Switch with 24 10/100 BaseT(X) ports, -40 to 75 ºC of operating temperature, Dual DC Power	24	0

Accessories

1. IS-RK4U 19" rack mount kit
2. IS-PS20-12 Power adaptor

Package Checklist

• IS-DF324 Switch

• Quick Installation Guide (Printed)

• Wall Mount kit / DIN-Rail kit