

IS-DF306P-4-M12 Series

6-ports Din-Rail/Wall Mount unmanaged Layer 2 M12 PoE Switch



The IS-DF306P-4-M12 Series unmanaged 6-port Ethernet switch with 4 10/100Mb TX M12 port and up to 4 10/100Mb M12 IEEE 802.3af/at PoE ports provide easy to use plug-n-play applications; The IS-DF306P-4-M12 Series unmanaged switches can provide power and data directly through a single Ethernet cable, also, with Rugged M12 connector which is ideal for factory production line or anti-vibration environment. The IS-DF306P-4-M12 Series switches are especially good for Building automation, e-Bus, Railway and security/safety related applications.



Key features

- ▶ Provide 6 10/100Mb M12 ports
- ▶ Support up to 4 PoE port, IEEE 802.3af/at PoE, 15.4/30 Watt output, Full Load
- ▶ Layer 2 Line-Speed Switching Fabric, non-blocking
- ▶ Redundant Power Input, dual 24~57 VDC power input
- ▶ Din-Rail and Wall Mount Installation
- ▶ -40~75°C operating temperature
- ▶ IP 30 Protection
- ▶ Rugged Fanless 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	1.2Gbps
Backplane / Switching Fabric	1Gbps

M12 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
PoE	IEEE 802.3af/at (15.4/30 Watt), PoE/PoE+

Protocols & Standards

IEEE 802.3 , IEEE 802.3x, Flow Control, Back Pressure, TCP/UDP, IEEE802.3af/at
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Power

Power Input	Redundant Power Input, M12 connector
Input Voltage Range	24-56 VDC
Reverse power protection	YES
Transient protection	> 15, 000 Watts peak
Power Consumption	3.76 Wat@48VDC (Without PD Load), PSE: 4 x 30Watt, total power budget, 120 Watt

Indicators

Power status indication	Power Input status
M12 port indication	Link & speed → Green PoE Link → Amber

Environmental and Compliances

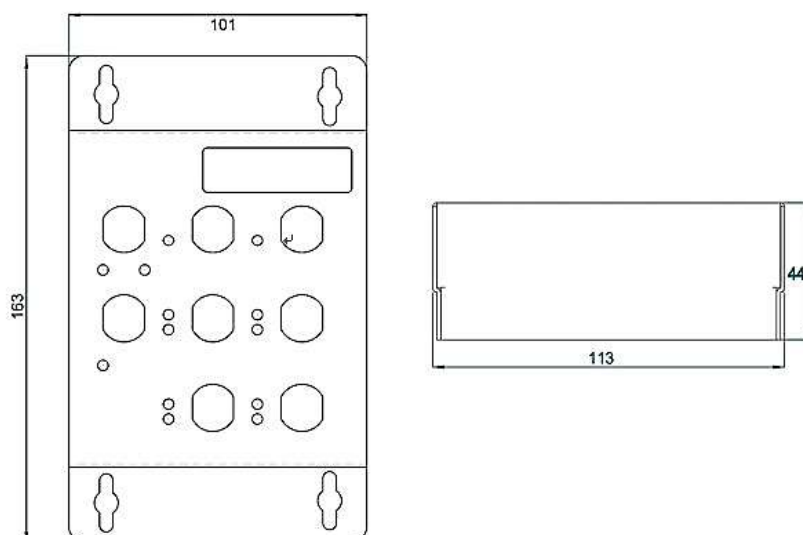
Operating Temperature	-40~75°C (Cold startup at -40°C)
Storage Temperature	-40~85°C

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)
Moving Vehicle	EN-50121-4, EN-50155 Compliant
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>25 years

Mechanical

Protection	IP30
Dimension	113mm x 101mm x 46mm (LxWxD) (without mounting kit)
Weight	680g
Installation	Din-Rail Mount, Wall mount
Relay Output	1A, 24V, Normal Open (Power Down Alarm)

Dimension Diagram



Ordering Information

Available Models	Description	10/100Mb TX	100/1000Mb FX
IS-DF306P-4-M12	Industrial 6- port 10/100Mb Layer 2 unmanaged M12 Switch, 4 IEEE 802.3af/ at PoE/PoE+	6 (4 PoE)	0

Accessories

NA

Package Checklist

- IS-DF306P-M12 Switch
- Quick Installation Guide (Printed)
- Wall Mount kit /Din-Rail kit