

IS-DH310P Series

10-ports Din-Rail unmanaged Layer 2 Industrial PoE Switch



The IS-DH310P Series unmanaged 10-port Ethernet switch with 2GTX/FX port and up to 8 10/100Mb IEEE 802.3af/at PoE ports provide easy to use plug-n-play applications; The cost effective IS-DH310P Series unmanaged switches can provide power and data directly through a single Ethernet cable, which is ideal for factory production line, wide-area distributed wireless network backbone or IP Surveillance system. The IS-DH310P Series switches are especially good for Building automation, CCTV, ITS and security/safety related applications.



Key features

- ▶ Provide 10 / 8 10/100Mb Copper ports plus 0 / 2 1000 Base SFP(SX/LX/LHX) ports
- ▶ Support up to 8 PoE port, IEEE 802.3af/at PoE, 15.4/30 Watt output, Full Load
- ▶ Layer 2 Line-Speed Switching Fabric, non-blocking
- ▶ Triple Redundant Power Input, dual 46~57 VDC & extra DC Jack power input
- ▶ Din-Rail Mount, Wall Mount installation
- ▶ -40~75°C operating temperature
- ▶ IP 30 Protection
- ▶ Rugged Fan less Design

Specification

Ethernet

Operating Mode	Store and Forward, L2 wire-speed/non-blocking switching engine
MAC addresses	8K
Packet Buffer	1 Mbits
Switching Fabric / Back Plane	5.6Gbps

RJ45 Copper ports

Speed	10/100 Mbps
MDI/MDIX Auto-crossover	Support straight or cross wired cables
Auto-negotiation/Duplex	10/100/1000 Mbps speed auto-negotiation; Full & Half Duplex
PoE	IEEE 802.3af/at (15.4/30 Watt), PoE/PoE+

Fiber Ports

Port Types supported	1000 Base SFP Slot
Filter port connector	LC/RJ45 connector for fiber ports
Optimal fiber cable	Typical 50 or 62.5/125 μ m for multimode (mm) Typical 8 or 9/125 μ m for single mode (sm)

Protocols & Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, Flow Control, Back Pressure, IEEE 802.3af/at

Power

Power Input	Redundant Power Input, Removable Terminal Block
Extra power Input	DC Jack, 12 VDC input
Input Voltage Range	46-57 VDC
Reverse power protection	YES
Transient protection	> 15, 000 Watts peak
Power Consumption	10 Watt (Without PD Load), PSE: 8 x 30Watt, total power budget, 240 Watt

Indicators

Power status indication	P1(Power 1) Green, P2(Power 2) Green, P3(Power 3) Amber for External Power adapter ALM (Relay) Amber
Ethernet port indication	Link & speed

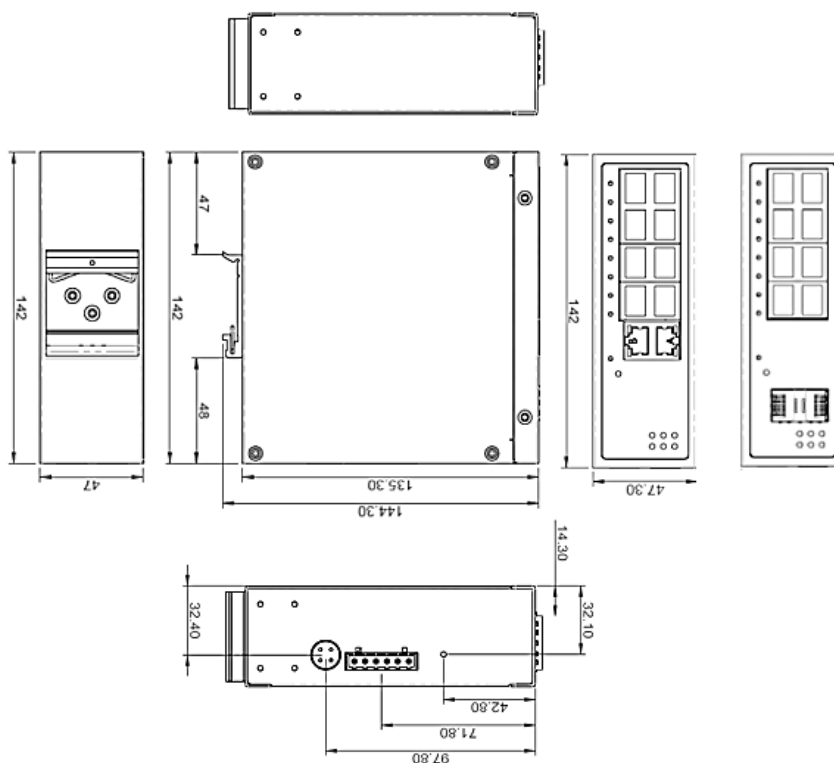
Environmental and Compliances

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	142mmx47.3mmx135.3mm (LxWxD)
Weight	450g
Installation	Din-Rail Mount, Wall mount
Relay Output	1A, 24V, Normal Open

Dimension Diagram



Ordering Information

Available Models	Description	10/100Mb TX	1000Mb FX
IS-DH310P-2F-8	Industrial 10 port Gigabit Layer 2 unmanaged Switch, with 2 1000 SFP Slot, 8 PoE af/at	8 (8 PoE)	2
IS-DH310P-8	Industrial 10 port Gigabit Layer 2 unmanaged Switch, 8 PoE af/at	10 (8 PoE)	0

Accessories

1. Gigabit SFP Modules
2. IS-RK2U 19" rack mounting kit
3. IS-RK4U 19" rack mounting kit

Package Checklist

- IS-DH310P Switch
- Quick Installation Guide (Printed)
- Din-Rail /Wall Mount Kit /Din-Rail kit