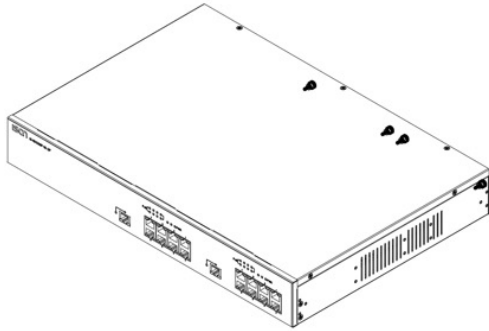


# IS-RH318P Series

## 18-ports Rack Mount Unmanaged Layer 2 Industrial PoE Switch



The IS-RH318P Series unmanaged 18-port Ethernet switch with 2GTX/FX port and up to 16 10/100Mb IEEE 802.3af/at PoE ports provide easy to use plug-n-play applications; The cost effective IS-RH318P 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-RH318P Series switches are especially good for Building automation, CCTV, ITS and security/safety related applications.



### Key features

- ▶ Provide 16 10/100Mbps Copper ports plus 2 Gigabit Copper ports or 2 Gigabit SFP Slots
- ▶ Support up to 16 PoE ports, IEEE 802.3af/at PoE, 15.4/30 Watts output, Full Load
- ▶ Layer 2 Line-Speed Switching Fabric, non-blocking
- ▶ AC Power Input 100/240 VAC, 50Hz ~60Hz
- ▶ 10KV Lightning Protection (Power Module)
- ▶ Rack Mount, Wall Mount installation
- ▶ -40~75°C operating temperature
- ▶ IP 30 Protection
- ▶ Rugged Fan less Design
- ▶ 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
Devices Supported	All IEEE 802.3 compliant devices are supported
MAC addresses	16K
Packet Buffer	4 Mbits
Switching Fabric / Back Plane	7.2Gbps

#### RJ45 Copper ports

Speed	16 10/100Mbps plus 2 10/100/1000Mbps
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
PoE	IEEE 802.3af/at (15.4/30 Watt), PoE/PoE+
Cable Requirements	Cat5e or better
Cable length	100 meters (Max.)

#### Fiber Ports

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

#### Protocols & Standards

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

## Power

Power Input	AC/DC Input, IEC Connector
Input Voltage Range	100/240 VAC, 50Hz~60Hz
Power Consumption	10 Watt (Without PD Load),
Power Budget	Switch plus PDs= 490W max

## Indicators

PoE	On, Green	Port is linked to Power Device
	Off	No Power Device is connected
PWR	On Green	Power line has power
	Off	Power line disconnect or does not have supply power
1 to N 10/100 Mbps port Link/Act	On, Yellow	Ethernet link up, but no traffic is detected
	Flashing Yellow	Ethernet link up and there is traffic detected
	Off	Ethernet link down
G1, G2 Giga port Link/Act	On, Yellow	Ethernet link up, but no traffic is detected
	Flashing Yellow	Ethernet link up and there is traffic detected
	Off	Ethernet link down
G1, G2 Giga port Speed	On, Yellow	A 1000Mbps connection is detected
	Off	No link, or a 10Mbps or 100 Mbps connection is detected
SFP 1 to N port (N=0,1,2) Link/Act	On, Green	SFP port speed 1000Mbps connection is detected.
	Off	No link

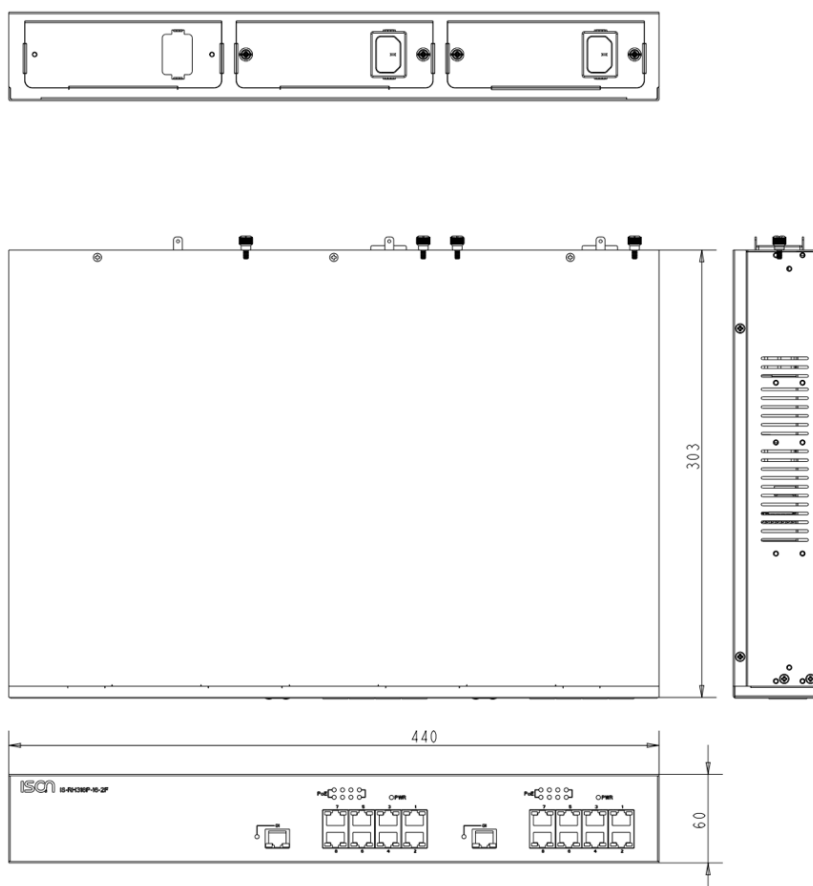
## Environmental and Compliances

Operating Temperature	-40 to +75°C (cold startup at -40°C) (-40 to +167°F, cold startup at -40°F)
Storage Temperature	-40 to +85°C (-40 to +185°F)
Humidity	5 to 95% RH (non-condensing)
Environmental Air	No corrosive gases permitted
Vibration, shock, free fall	IEC-60068-2-6, -27, -32
Agency Approvals	CE
EMI Emissions	FCC Part 15, EN55032/CISPR32, Class A
EMS	IEC-61000-4-2 (ESD): +/- 6kv (contact), +/- 8kv(air) IEC-61000-4-3 (RS): 10V/m (80MHz ~2GHz) IEC-61000-4-4 (EFT): Power Port: +/- 2kV; Data Port: +/- 1kV IEC-61000-4-5 (Surge): Power Port: +/- 1kV/DM, +/- 2kV/CM; Data Port +/- 2kV IEC-61000-4-6 (CS): 10V (150kHz ~ 80MHz)
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>200,000 hrs

## Mechanical

Protection	Metal case, IP30
Dimension	60mm x 440mm x 303mm (LxWxD)
Weight	TBD
Installation	Rack Mount, Wall mount

## Dimension Diagram



## Ordering Information

Available Models	Description	10/100Mb TX	10/100/1000Mb TX	1000Mb FX
IS-RH318P-2F-16	Industrial 10 port Gigabit Layer 2 unmanaged Switch, 8 PoE	16 (16 PoE)	0	2
IS-RH318P-16	Industrial 10 port Gigabit Layer 2 unmanaged Switch, 8 PoE	16 (16 PoE)	2	0

## Accessories

1. Gigabit SFP Modules

## Package Checklist

- IS-RH318P series Switch
- Quick Installation Guide (Printed)
- Rack Mount kit