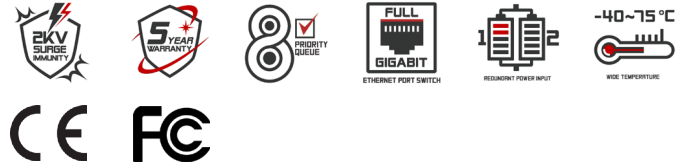


IS-RG318 Series

18-port Gigabit 1/2 19" Unmanaged Layer 2 Industrial Ethernet Switch



The IS-RG318 Series are full Gigabit unmanaged Ethernet Switches provide 18 easy access, plug-n-play Gigabit Ethernet ports for applications; a full Gigabit network provides higher throughput than legacy Fast Ethernet network. The cost effective IS-RG318 Series unmanaged switches can easily be used in factory production line or embedded into machine system. The IS-RG318 Series also support some useful function by default for network traffic optimization, such as QoS.



Key features

- ▶ Provide 16 Giga Copper ports with 2 100 / 1000 Based SFP (SX/LX/LHX/ZX) ports
- ▶ Support 9K Jumbo frames
- ▶ Layer 2 Line-Speed Switching Fabric, non-blocking
- ▶ Support QoS by default
- ▶ Fan-Less design
- ▶ Redundant power input 100/240 VAC, 50Hz ~ 60Hz
- ▶ Support Din-Rail Mount, Wall Mount Installation
- ▶ IP 30 Protection
- ▶ -10~60°C operating temperature

Specification

Ethernet

Operating Mode	Store and Forward, L2 wire-speed/non-blocking switching engine
MAC addresses	8K
Packet Buffer	4 Mbits
Jumbo frame	9K
Switching Fabric / Back Plane	36Gbps

RJ45 Copper ports

Speed	10/100/1000 Mbps
MDI/MDIX Auto-crossover	Support straight or cross wired cables
Auto-negotiation/Duplex	10/100/1000 Mbps speed auto-negotiation; Full & Half Duplex

Fiber Ports

Port Types supported	100/1000 Base SFP Slot
Fiber 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)

Smart Features

QoS	IEEE 802.1p
Number of Queue	8

Protocols & Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3x, Flow Control, Back Pressure
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Power

Power Input	Redundant Power Input, AC Input, IEC Connector
Input Voltage Range	100/240 VAC, 50Hz~60Hz
Power Consumption	15 Watt

Indicators

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

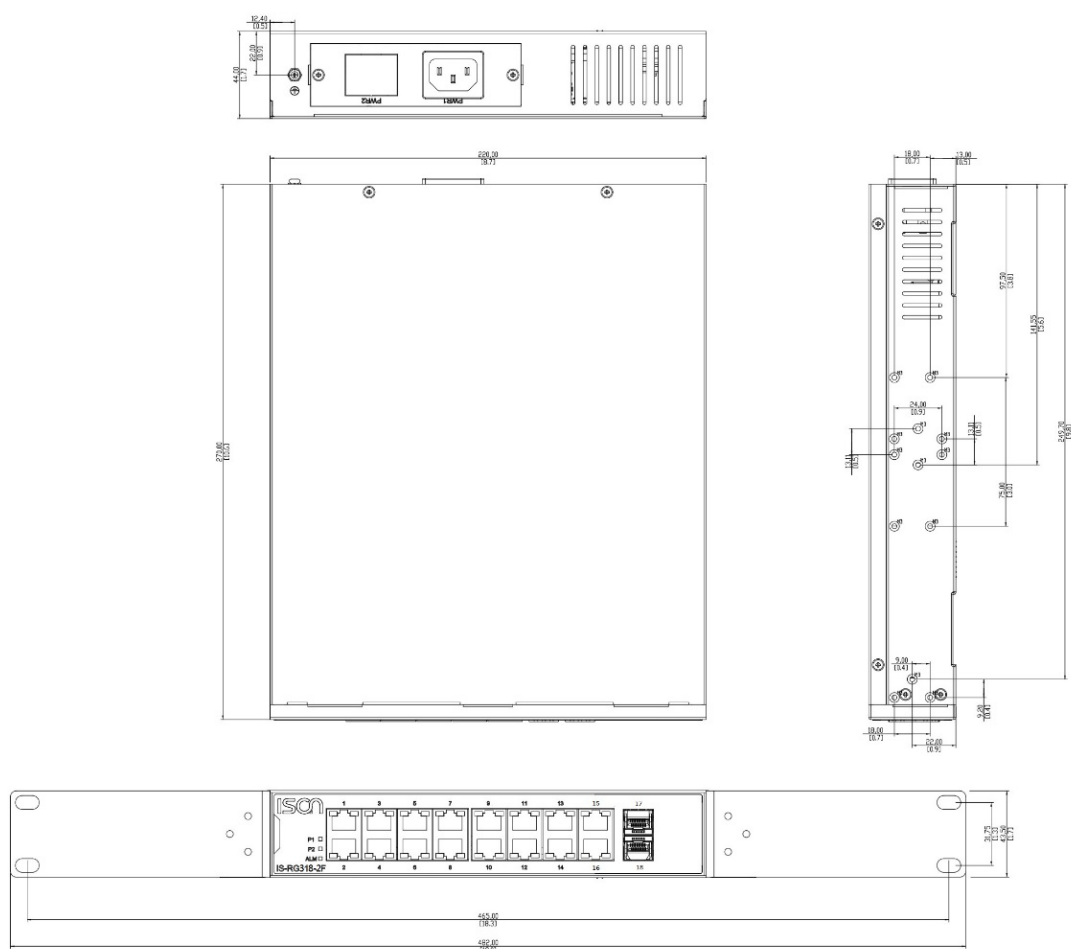
Environmental and Compliances

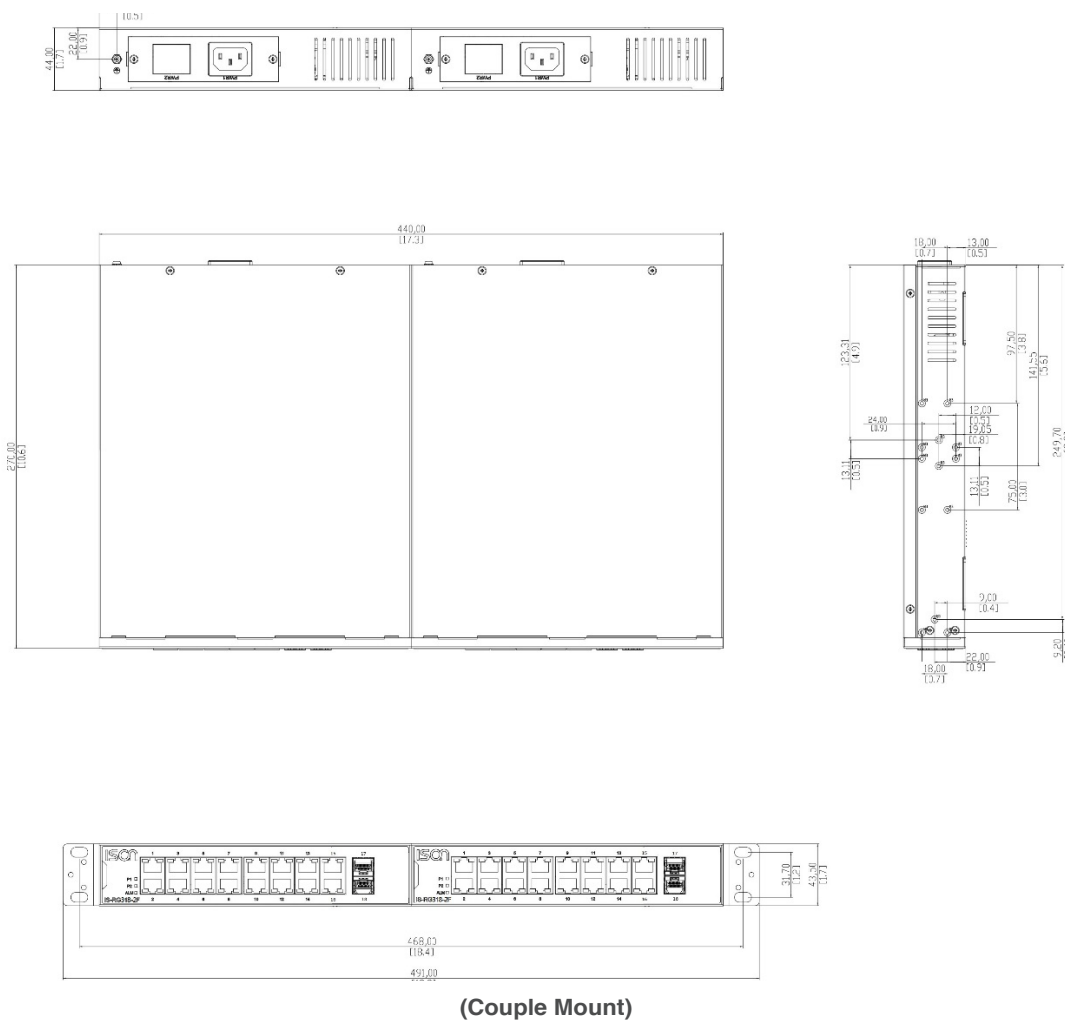
Operating Temperature	-10~60°C (Cold startup at -10°C)
Storage Temperature	-40~85°C
Humidity	5~95% (Non-Condensing)
Vibration, shock, free fall	IEC-60068-2-6, -27, -32
Certification Compliance	CE, FCC
Electrical safety	CE
EMC	FCC Part 15, CISPR 22 (EN55022) Class A IEC-61000-4-2, -3, -4, -5, -6 (Level 3)
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>200,000 hrs

Mechanical

Protection	IP30
Dimension	44mm x 220mm x 270mm (LxWxD)
Weight	2.4 kg
Installation	19" Rack mount, Din-Rail Mount, Wall mount

Dimension Diagram





(Couple Mount)

Ordering Information

Available Models	Description	10/100/1000Mb TX	100/1000Mb FX
IS-RG318-2F-2A	Industrial 18 port Gigabit Layer 2 unmanaged Switch. Dual AC, -10~60°C	16	2
IS-RG318-2F-A	Industrial 18 port Gigabit Layer 2 unmanaged Switch. Single AC, -10~60°C	16	2

*DC power input is also available, please contact sales for the detail

Accessories

1. 100 Mb SFP Modules
2. Gigabit SFP Modules
3. IS-WK2U wall mount kit
4. IS-CM1U Couple-Mount kit

Package Checklist

- IS-RG318 Switch
- Quick Installation Guide (Printed)
- 19" 1U Standard Rack-Mount kit