

# IS-RG216HS Series (Preliminary)

16-port Gigabit 19" Unmanaged Layer 2 Lightning Protected Hot-Swap Power Industrial Ethernet Switch



The IS-RG216HS Series are full Gigabit Unmanaged Industrial Ethernet Switch with hot-swappable redundant power supply, which provide 16 ports easy access, plug-n-play Gigabit Ethernet ports for applications; a full Gigabit network provides higher throughput than legacy Fast Ethernet network. The IS-RG216HS unmanaged switch can easily be used in factory production line or embedded into machine system.



## Key features

- ▶ Hot-swappable redundant power supply
- ▶ Provide 16 Giga Copper ports
- ▶ Support 9K Jumbo Frames
- ▶ Support IEEE802.3az, Green Ethernet
- ▶ IEEE 802.3x Flow Control
- ▶ Layer 2 wire-speed switching engine
- ▶ Loopback Detection
- ▶ Support IGMP Snooping v1/v2
- ▶ Fan-Less design
- ▶ IP 30 Protection
- ▶ 0~60°C operating temperature
- ▶ 20KV / 10KV Lightning Protection (Power Module)
- ▶ 10A fuse (Power Module)
- ▶ Power On/Off switch (Power Module)

## Specification

### Ethernet

Operating Mode	Store and Forward, L2 wire-speed/non-blocking switching engine
MAC addresses	16K
Packet Buffer	2 Mbits
Jumbo frame	9K

### 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

### Protocols & Standards

IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.1p, IEEE 802.3x
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### Power

Power Input	Hot-Swappable Redundant AC Input, IEC Connector
Input Voltage Range	100/240 VAC, 50Hz~60Hz
Power Module Protection	20KV / 10KV Lightning Protection, 10A fuse, Power On/Off switch
Power Consumption	13.5 Watt

### Indicators

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

### Environmental and Compliances

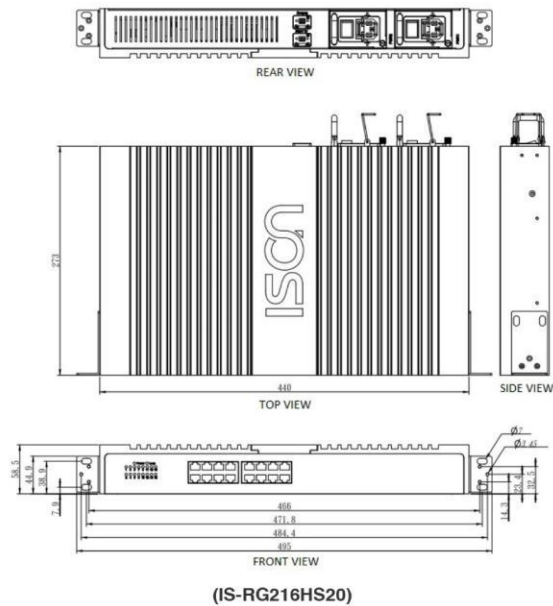
Operating Temperature	0~60°C (Cold startup at 0°C)
Storage Temperature	-40~70°C
Humidity	10~90% (Non-Condensing)
Vibration, shock, free fall	IEC-60068-2-6, -27, -32
Certification Compliance	CE, FCC
Electrical safety	CE

EMC	FCC Part 15, CISPR 22 (EN55022) Class A IEC-61000-4-2, -3, -4, -5, -6 (Level 2)
RoHS & WEEE	RoHS (Pb free) and WEEE Compliant
MTBF	>160,000 hrs

### Mechanical

Protection	IP30
Dimension	58.5mm x 440mm x 273mm(LxWxD)
Weight	4.8 kg
Installation	19" Rack mount

### Dimension Diagram



### Ordering Information

Available Models	Description	10/100/1000Mb TX	100/1000Mb FX
IS-RG216HS20-2A	Industrial 16 port Gigabit Layer 2 unmanaged Switch, Hot-Swap Power, Dual AC, 20KV Lightning Protection, Dual AC, -40~75°C	16	0
IS-RG216HS10-2A	Industrial 16 port Gigabit Layer 2 unmanaged Switch, Hot-Swap Power, Dual AC, 10KV Lightning Protection, Dual AC, -40~75°C	16	0

### Accessories

- IS-PM20L-12
- IS-WK2U wall mount kit

### Package Checklist

- IS-RG216 Switch
- Quick Installation Guide (Printed)
- 19" 1U Standard Wall-Mount Kit