IS-RG326HS Series (Preliminary)

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

The IS-RG326HS Series are 26-port full Gigabit unmanaged Ethernet Switch with hot-swappable redundant power supply, which provide 26 ports easy access, plug-n-play Gigabit Ethernet for applications; a full Gigabit network provides higher throughput than legacy Fast Ethernet network. The cost effective IS-RG326HS unmanaged switch can easily be used in factory production line or embedded into machine system. The IS-RG326HS Series also support some useful function by default for network traffic optimization, such as QoS and storm protection.

Key features

- ► Hot-swappable redundant power Input 100/240 VAC, 50Hz ~ 60Hz
- ► Provide 24 Giga Copper ports with 2 100 / 1000 Based SFP (SX/LX/LHX) ports
- ► Support 9K Jumbo frames
- ► Layer 2 Line-Speed Switching Fabric, non-blocking
- ► Layer 2 wire-speed switching engine
- ► Support IEEE 802.1p TOS/DiffServ, QoS by default
- ► Multicast / Broadcast / Flooding Storm Control

- ► Fan-Less design with wide-temperature range (-40~75ºC)
- ► 20KV / 10KV Lightning Protection (Power Module)
- ► 10A fuse (Power Module)
- ► Power On/Off switch (Power Module)
- ► Support Relay Output Alarm
- ► IP 30 Protection
- ► 2 KV surge immunity on RJ45 Copper ports
- ► 1.5 KV Hipot
- ► Support Rack Mount, Wall Mount, Installation

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	52Gbps

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
Ethernet Port Protection	1.5KV VRMS 1minute(Hipot), 2KV surge immunity on RJ45 Copper ports

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 µm for multimode (mm) Typical 8 or 9/125 µm for single mode (sm)

Smart Features

QoS	IEEE 802.1p, TOS/Diffserv
Number of Queue	8
Storm Protection	Multicast/Broadcast/Flooding Storm Control
Traffic Shaper	Port-Based Port Sharping

Protocols & Standards

IEEE 802.3x, IEEE 802.1Q/p, Flow Control, Back Pressure,

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	35 Watt

Indicators

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

Environmental and Compliances

Operating Temperature	-40~75ºC (Cold startup at -40ºC)
Storage Temperature	-40~85ºC
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	58.5mm x 440mm x 273mm(LxWxD)
Weight	4.8 kg
Installation	19" Rack mount
Relay Output	1A, 24V, Normal Open

Dimension Diagram

REAR VIEW

TOP VIEW

SIDE VIEW

FRONT VIEW
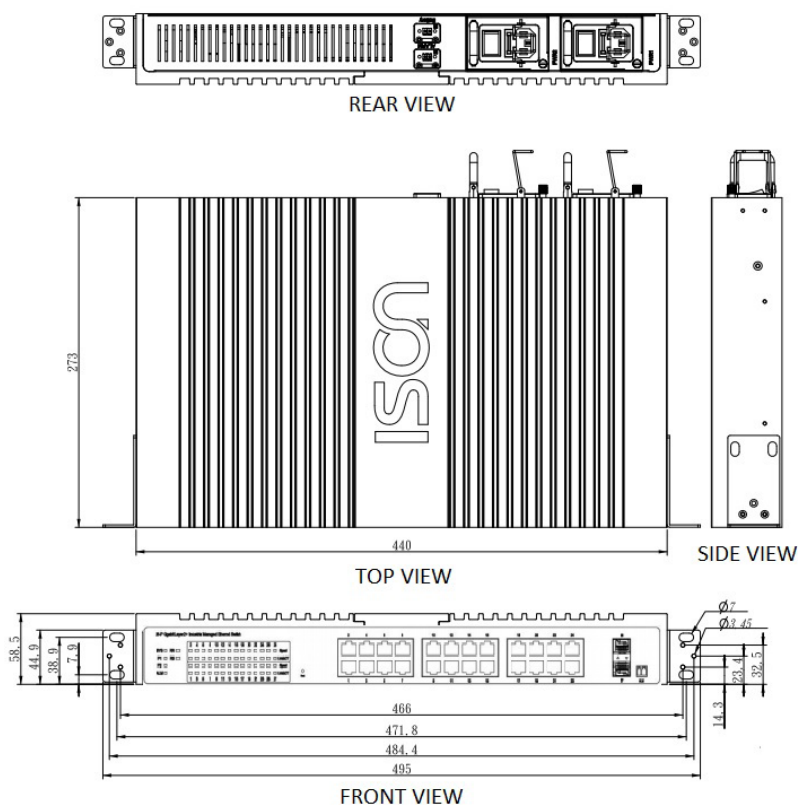
(IS-RG326HS20)

Ordering Information

Available Models	Description	10/100/1000Mb TX	100/1000Mb FX
IS-RG326HS20-2F-2A	Industrial 26 port Gigabit Layer 2 unmanaged Switch, 2 SFP Slot, Hot-Swap Power, Dual AC, 20KV Lightning Protection, Dual AC, -40~75ºC	24	2
IS-RG326HS10-2F-2A	Industrial 26 port Gigabit Layer 2 unmanaged Switch, 2 SFP Slot, Hot-Swap Power, Dual AC, 10KV Lightning Protection, Dual AC, -40~75ºC	24	2

Accessories

1. 100 Mb SFP Modules
2. Gigabit SFP Modules
3. IS-PM20L-12
4. IS-WK2U wall mount kit

Package Checklist

- IS-RG326HS Switch
- Quick Installation Guide (Printed)
- 19" 1U Standard Rack-Mount Kit