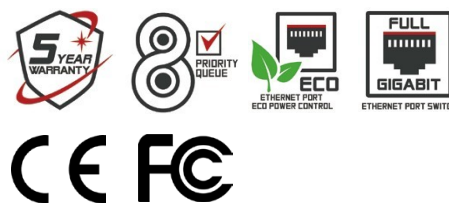


IS-RG628-8C-4F-2A

Industrial 28G L2+ Rackmount Ethernet Switch



The IS-RG628 Series are full Gigabit Ethernet Switches with 28 Gigabit Ethernet ports, perfect for upgrading an existing network to a full Gigabit speed Infrastructure; a full Gigabit network provides higher throughput than legacy Fast Ethernet network. The IS-RG628 Series reduces the response time for timing sensitive applications which may be mix of video, voice, and data stream in the traffic flow. With the powerful S/W and H/W features, the IS-RG628 Series prioritize, partition and optimize user's network while provide reliable and quality services The IS-RG628 Series switches are suitable for access level network connection.



Key features

- ▶ 16x Gigabit Ethernet ports
- ▶ 8x Gigabit combo Ethernet
- ▶ 4x 1000F(x) SFP Slot
- ▶ Built for harsh environments and wide temperature range application
- ▶ RSTP, MSTP, ERPS, LACP for Network Redundancy
- ▶ QoS CoS/DSCP to increase determinism
- ▶ Supports IGMP Snooping v1/v2/v3, up to 512 groups
- ▶ DHCP Relay Option 82 for policies IP address assignment
- ▶ SNMP v1/v2c/v3 for network management
- ▶ Supports Storm Protection
- ▶ USB storage for configuration-free replacement
- ▶ Supports industrial automation protocols Ethernet/IP and Modbus TCP

Specification

Technology

| | |
|----------|---|
| Standard | IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT IEEE 802.3z 1000BaseX IEEE 802.3x Flow Control IEEE 802.3ad/802.1AX LACP IEEE 802.1D Spanning Tree Protocol IEEE 802.1w Rapid STP IEEE 802.1s Multiple STP ITU-T G.8032 / Y.1344 ERPS IEEE 802.1Q VLAN Tagging IEEE 802.1ad Stacked VLANs IEEE 802.1p Class of Service IEEE 802.1X Network Authentication IEEE 802.1AB LLDP |
|----------|---|

Performance

| | |
|-----------------------|--|
| Switch Technology | Store and Forward Technology with Non-Blocking Switch Fabric |
| Switch Fabric | 56Gbps |
| Number of MAC Address | 16K |
| Packet Buffer Memory | 12Mbits |
| Jumbo Frame | 16Kbytes |
| VLAN | 256 VLANS |
| VLAN Table Size | 4094 |
| Priority Queues | 8 Queues |
| IGMP Group | 512 |
| ACL Group | 512 |

Software Feature

| | |
|---------------------|--|
| Network Redundancy | RSTP, MSTP, G.8032 ERPSv2, Port Trunking with LACP |
| Security | 802.1X, RADIUS, TACACS+, SSL, SSH |
| Management | IPv4, IPv6, Web, Telnet, Serial Console, CLI, SNMP v1/v2c/v3, uPnP |
| Diagnostics | RMON, SNMP Inform/Trap, Syslog, SMTP, Port Mirroring, LLDP, RSPAN |
| Configuration | DHCP Server/Client, Relay Option 82, TFTP, USB |
| Filter | 802.1Q VLAN, Q-in-Q, IGMP Snooping v1/v2/v3, IGMP Querier, Independent Vlan Learning |
| Time Sync. | NTP, IEEE1588v2 OC (Software Timestamp), TC (Hardware Timestamp) |
| QoS | CoS, DSCP, WRR/SPQ Queuing, Storm Protection |
| Industrial Profiles | Ethernet/IP, Modbus TCP, Profinet |

Interface

| | |
|----------------|--|
| RJ45 Port | 16x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X |
| Combo Port | 8x 10/100/1000T(x) with dual speed SFP combo port, auto media detect |
| Fiber Port | 4x 1000F(x) SFP Slot |
| LED Indicators | Per unit: PWR1, PWR2(AC2/DC2), Fault, Ring Master, Ring State Ports: Link/Active with Greed LED on the left, Speed on the right with highest speed(Amber), low speed(OFF) |
| Alarm Contact | 1x relay output with current carrying capacity of 1A @ 24 VDC |
| Digital Inputs | 1x isolated input from the electronics. +13 to +30V for state "1" -30 to +3V for state "0" Max. input current: 8mA |
| Button | Multiple functions reset button |
| Serial Console | 1x RS232 in RJ45 connector with console cable, 115.2Kbps, 8N1 |
| Storage | 1x USB 2.0 storage for firmware update, configuration backup, restore, boot up and syslog |

Power Requirements

| | |
|-------------------|---|
| Operation Voltage | 90~264VAC, 88~370VDC, 18~36VDC, 36~75VDC, redundant dual inputs |
| Connection | AC socket, DC 4-pin terminal block |
| Power Consumption | 30W |
| Protection | Overload Current Protected, Reverse Polarity Protected |

Mechanical Construction

| | |
|------------------|-----------------------|
| Enclosure | Aluminum / Steel met |
| Protection Class | IP30 |
| Dimensions | 440x44x331 mm (WxHxD) |
| Weight | 4.80 kg |
| Mounting | Rack Mounting |

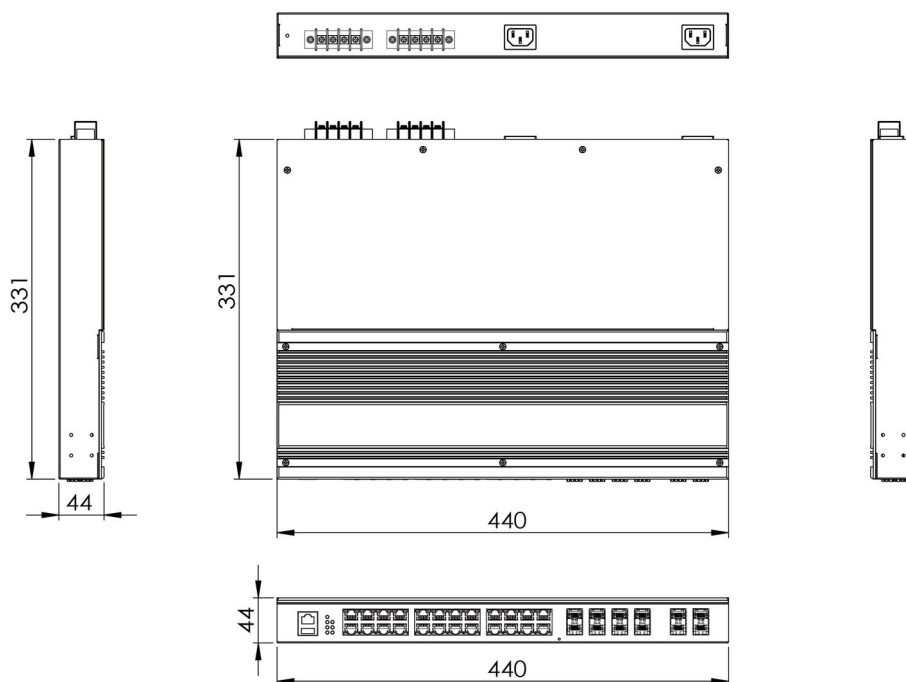
Environmental Limits

| | |
|---------------------------|------------------------------|
| Operating Temperature | -40°C ~ 75°C (-40°F ~ 167°F) |
| Storage Temperature | -40°C ~ 85°C (-40°F ~ 185°F) |
| Ambient Relative Humidity | 5 to 95%, (Non-Condensing) |

Regulatory Approvals

| | |
|----------------|---|
| EMI | FCC Part 15 Subpart B Class A CE EN 55032 Class A |
| EMS | IEC61000-4-2 (ESD) IEC61000-4-3 (RS) IEC61000-4-4 (EFT) IEC61000-4-5 (Surge) IEC61000-4-6 (CS) IEC61000-4-8 (Magnetic Field) |
| Free Fall | IEC60068-2-32 |
| Shock | IEC60068-2-27 |
| Vibration | IEC60068-2-6 |
| Green | RoHS Compliant |
| Certifications | CE, FCC |
| MTBF | >200,000 hours |
| Warranty | 5 Years |

Dimension Diagram



Ordering Information

| Available Models | Description |
|-------------------|--|
| IS-RG628-8C-4F-2A | 16+8+4 Port Industrial Managed Gigabit Ethernet Switch - 16x 10/100/1000T(x) + 4x 1000F(x) SFP Slot + 8x Combo Ports - Operating Temperature: -40°C ~ 75°C (-40°F ~ 167°F) - 2x 90~264VAC Power Input |