

Rack-Mount Ethernet Switch

Industrial 24-port rack mount managed Gigabit Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket



Features

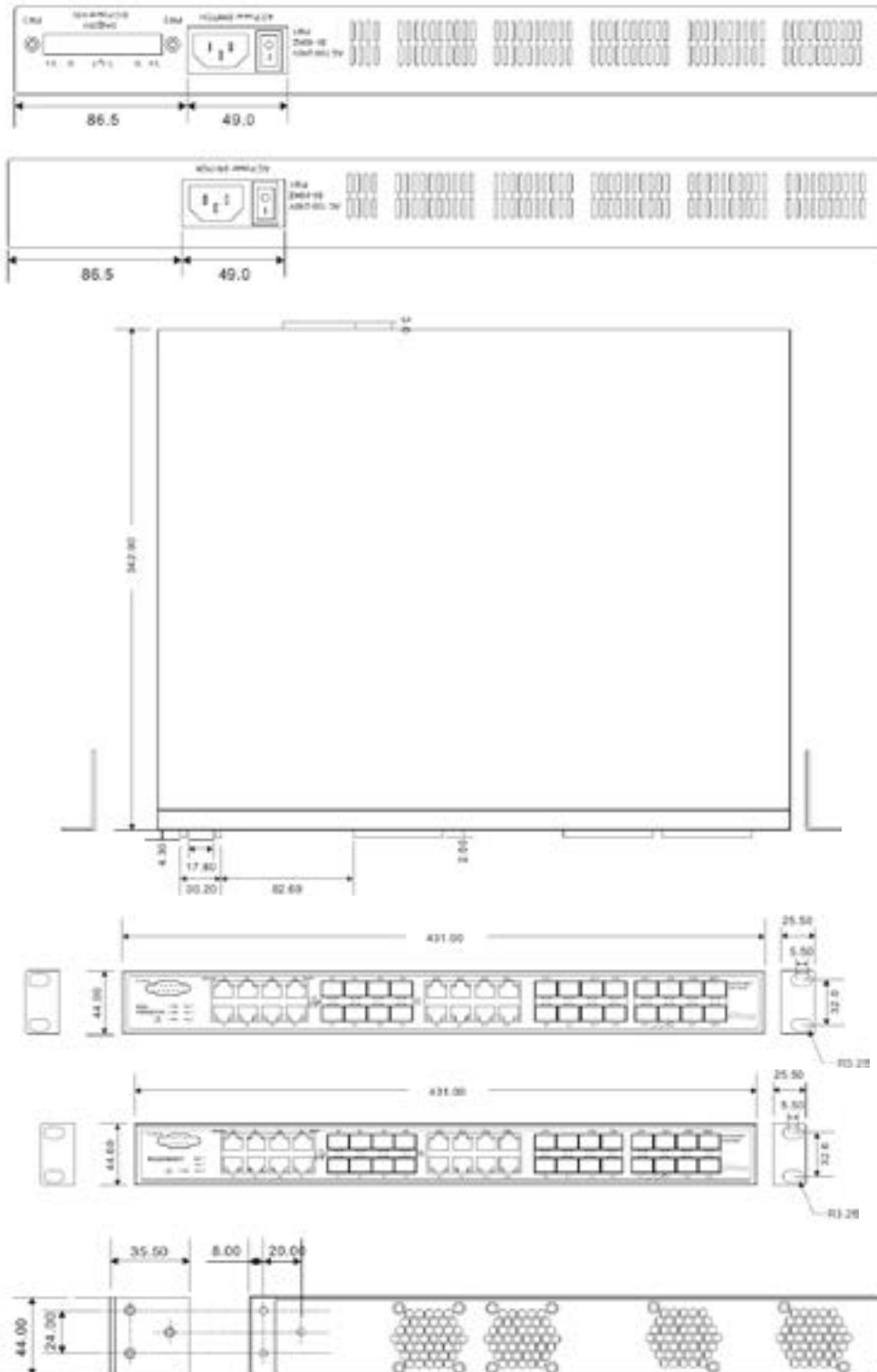
- Support **O-Ring** (recovery time < 30ms) and MSTP(RSTP/STP compatible) for Ethernet Redundancy
- **O-Chain** allow multiple redundant network rings
- Support standard IEC 62439-2 **MRP** (Media Redundancy Protocol) function
- Support IPV6 new internet protocol version
- Support Modbus TCP protocol
- Support IEEE 802.3az **Energy-Efficient Ethernet** technology
- Provided HTTPS/SSH protocol to enhance network security
- Support SMTP client and NTP server
- Support IP-based bandwidth management
- Support application-based QoS management
- Support Device Binding security function
- Support DOS/DDOS auto prevention
- IGMP v2/v3 (IGMP snooping support) for filtering multicast traffic
- Support SNMP v1/v2c/v3 & RMON & 802.1Q VLAN Network Management
- Support ACL and 802.1x User Authentication for security
- Support 10K Bytes Jumbo Frame
- SFP socket support DDM function
- Multiple notification for warning of unexpected event
- Web-based ,Telnet, Console (CLI), and Windows utility (**Open-Vision**) configuration
- Support LLDP Protocol
- 19 inches rack mountable design



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Dimension

Unit = mm



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Specifications

ORing Switch Model	RGS-9168GCP	RGS-9168GCP-E
Physical Ports		
Gigabit Combo port with 10/100/1000Base-T(X) and 100/1000Base-X SFP ports	16	
100/1000Base-X with SFP port	8	
Technology		
Ethernet Standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX IEEE 802.3ab for 1000Base-T IEEE 802.z for 1000Base-X IEEE 802.3x for Flow control IEEE 802.3ad for LACP (Link Aggregation Control Protocol) IEEE 802.1p for COS (Class of Service) IEEE 802.1Q for VLAN Tagging IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol) IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol) IEEE 802.1x for Authentication IEEE 802.1AB for LLDP (Link Layer Discovery Protocol)	
MAC Table	8k	
Priority Queues	8	
Processing	Store-and-Forward	
Switch Properties	Switching latency: 7 us Switching bandwidth: 128Gbps Max. Number of Available VLANs: 4095 VLAN ID Range : VID 1 to 4094 IGMP multicast groups: 256 for each VLAN Port rate limiting: User Define	
Jumbo frame	Up to 10K Bytes	
Security Features	Device Binding security feature Enable/disable ports, MAC based port security Port based network access control (802.1x) Single 802.1x and Multiple 802.1x MAC-based authentication MAC address limit VLAN (802.1Q) to segregate and secure network traffic Radius centralized password management SNMPv3 encrypted authentication and access security Https / SSH enhance network security Web and CLI authentication and authorization IP source guard	
Software Features	IEEE 802.1D Bridge, auto MAC address learning/aging and MAC address (static) Multiple Registration Protocol (MRP) MSTP (RSTP/STP compatible) Redundant Ring (O-Ring) with recovery time less than 30ms over 250 units TOS/Diffserv supported Quality of Service (802.1p) for real-time traffic VLAN (802.1Q) with VLAN tagging IGMP v2/v3 Snooping IP-based bandwidth management Application-based QoS management DOS/DDOS auto prevention Port configuration, status, statistics, monitoring, security DHCP Server/Client DHCP Relay Modbus TCP SMTP Client NTP server	
Network Redundancy	O-Ring O-Chain MRP	

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Ordering Information

RGS-9**AA**B**CCC**-**D**

Code Definition	Gigabit Combo Port Number	Gigabit SFP Port Number	Additional Port Type	Additional Type
Option	- 16: 16 ports	- 8: 8 ports	-GCP: Gigabit Combo ports and Gigabit SFP ports	-E: enhanced model with dual DC inputs and Relay output

Available Model	Model Name	Description
	RGS-9168GCP_US	Industrial 24-port rack mount managed Gigabit Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket, US power cord
	RGS-9168GCP_UK	Industrial 24-port rack mount managed Gigabit Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket, UK power cord
	RGS-9168GCP_EU	Industrial 24-port rack mount managed Gigabit Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket, EU power cord
	RGS-9168GCP_JP	Industrial 24-port rack mount managed Gigabit Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket, JP power cord
	RGS-9168GCP-E_US	Industrial 24-port rack mount managed Gigabit Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket, enhanced version, US power cord
	RGS-9168GCP-E_UK	Industrial 24-port rack mount managed Gigabit Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket, enhanced version, UK power cord
	RGS-9168GCP-E_EU	Industrial 24-port rack mount managed Gigabit Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket, enhanced version, EU power cord
	RGS-9168GCP-E_JP	Industrial 24-port rack mount managed Gigabit Ethernet switch with 16xGigabit combo ports and 8x100/1000Base-X, SFP socket, enhanced version, JP power cord

Packing List

- RGS-9168GCP / -E x 1
- Rack-mount Kit x 1
- ORing Tool CD x 1
- Power Cable x 1
- Quick Installation Guide x 1
- Console Cable x 1

Optional Accessories

- Open-Vision M500 : Powerful Network Management Windows Utility Suit, 500 IP devices
- DR-120-48 : 48V/120Watts DIN-Rail power supply (Only for -E)
- SFP100 series : 100Mbps SFP optical transceiver
- SFP1G series : 1GMbps SFP optical transceiver
- DR-75-48 : 48V/75Watts DIN-Rail power supply (Only for -E)