

Rack-Mount Ethernet Switch

▶ Industrial 26-port managed Gigabit PoE Ethernet switch with 22x10/100/1000Base-T(X) P.S.E., 2xGigabit combo P.S.E. and 2x100/1000Base-X, SFP socket

Features

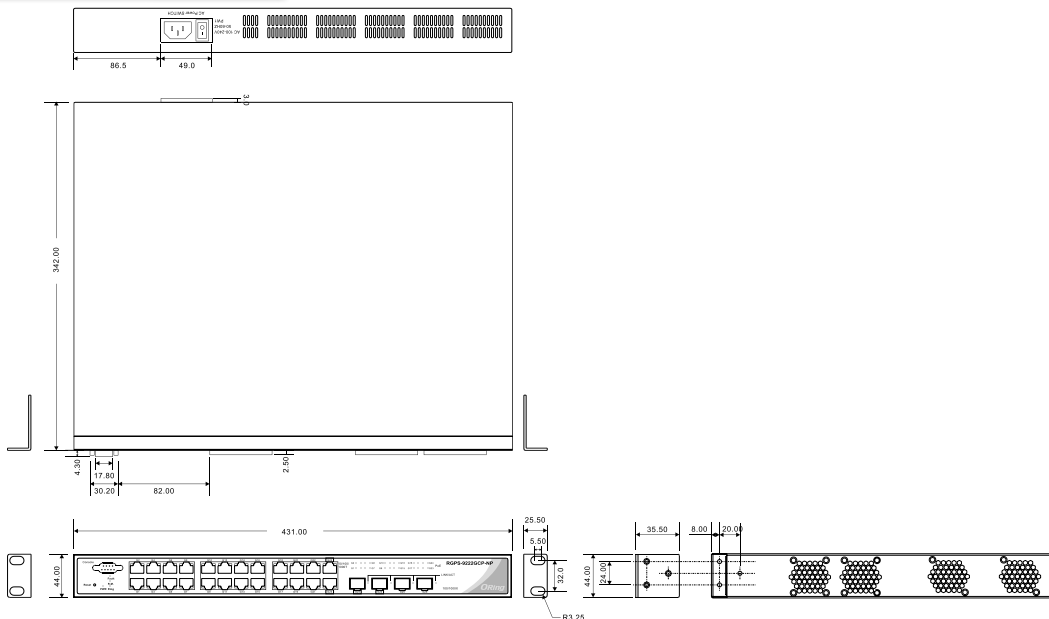
- Support **O-Ring** (recovery time < 30ms over 250 units of connection) and MSTP(RSTP/STP compatible) for Ethernet Redundancy
- **Open-Ring** support the other vendor's ring technology in open architecture
- **O-Chain** allow multiple redundant network rings
- Support standard IEC 62439-2 **MRP*NOTE** (Media Redundancy Protocol) function
- 24 port P.S.E. fully compliant with IEEE802.3at standard, provide up to 30 Watts per port
- Support PoE on/off scheduled configuration
- Support PoE alive check and auto reboot 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 protocol
- 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, TACACS+ and 802.1x User Authentication for security
- Support 9.6K Bytes Jumbo Frame
- Support full/half-duplex transmission
- SFP socket support DDM function
- Multiple notification for warning of unexpected event
- Support **DBU-01** backup unit device to quickly backup/restore configuration
- Web-based ,Telnet, Console (CLI), and Windows utility (**Open-Vision**) configuration
- Support LLDP Protocol
- 19 inches rack mountable design



RGPS-9222GCP-NP

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Dimensions



(Unit=mm)

Specifications

ORing Switch Model	RGPS-9222GCP-NP-LP	RGPS-9222GCP-NP-P	RGPS-9222GCP-NP
Physical Ports			
10/100/1000Base-T(X) with P.S.E. Ports in RJ45 Auto MDI/MDIX		22	
Gigabit Combo port with 10/100/1000Base-T(X)P.S.E. and 100/1000Base-X SFP ports		2	
100/1000Base-X with SFP port		2	
Technology			
Ethernet standards	IEEE 802.3 for 10Base-T IEEE 802.3u for 100Base-TX and 100Base-FX 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) IEEE 802.3at PoE specification (up to 30 Watts per port for P.S.E.) RGPS-9222GCP-NP-LP : Total power budget is 320Watts with maximum RGPS-9222GCP-NP-P : Total power budget is 720Watts with maximum RGPS-9222GCP-NP : Total power budget is 720Watts and based-on external power supply spec		
MAC table	8K		
Priority queues	8		
Processing	Store-and-Forward		
Switch properties	Switching latency: 7 us Max. Number of Available VLANs: 4095 IGMP multicast groups: 256 for each VLAN		Switching bandwidth: 52Gbps VLAN ID Range : VID 1 to 4094 Port rate limiting: User Define
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Jumbo frame	Up to 9.6K Bytes		

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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 QoS assignment Guest VLAN MAC address limit TACACS+ 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 Authorization (15 levels) 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 DNS client proxy SMTP Client NTP server		
Network redundancy	O-Ring Open-Ring O-Chain MRP *NOTE MSTP (RSTP/STP compatible)		
RS-232 Serial Console Port	RS-232 in DB-9 connector with console cable. 115200bps, 8, N, 1		
LED Indicators			
Power indicator (PWR)	Green : Power indicator		
Ring master indicator (R.M.)	Green : Indicates that the system is operating in O-Ring Master mode		
O-Ring Indicator (Ring)	Green : Indicates that the system operating in O-Ring mode Green Blinking : Indicates that the Ring is broken.		
Fault Indicator (Fault)	Amber : Indicate unexpected event occurred		
10/100/1000Base-T(X) RJ45 Port Indicator	Dual color LED for Speed/Link/Act indicator ~ Green : 1000Mbps Link/Act Amber : 10/100Mbps Link/Act		
100/1000Base-X SFP Port Indicator	Green for port Link/Act.		
PoE Indicator	Green : PoE enabled LED x 24		
Fault contact			
Relay	None		
Power			
Power Input	100~240VAC with power socket	50 ~ 57VDC with terminal block	
Power supply	450 Watts power supply included (320W power budget)	1000 Watts power supply included (720W power budget)	Power supply not include
Power consumption (Typ.)	37 Watts (P.D. not included)	37 Watts (P.D. not included)	17 Watts (P.D. not included)
Overload current protection	Present		
Reverse Polarity Protection	Not Present		
Physical Characteristics			
Enclosure	19 inches rack-mountable		
Dimensions (W x D x H)	431 (W) x 342 (D) x 44 (H) mm (16.97 x 13.47 x 1.73 inch)		
Weight (g)	5000 g	5730 g	3982 g
Environmental			
Storage Temperature	-40 to 85°C (-40 to 185°F)		

***NOTE: This function is available by request only**

RGPS-9222GCP-NP

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Operating Temperature	-40 to 60°C (-40 to 140°F)
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMI	FCC Part 15, CISPR (EN55022) class A
EMS	EN61000-4-2 (ESD), EN61000-4-3 (RS), EN61000-4-4 (EFT), EN61000-4-5 (Surge), EN61000-4-6 (CS), EN61000-4-8, EN61000-4-11
Shock	IEC60068-2-27
Free Fall	IEC60068-2-32
Vibration	IEC60068-2-6
Safety	EN60950-1
Warranty	5 years

Ordering Information

RGPS-9 **AA** **B** **C** **DDD** - **EE**

Code Definition	10/100/1000Base-T(X) P.S.E. Port Number	Gigabit Combo Port with P.S.E. Number	Additional Port Number	Additional Port Type	Other Feature
Option	- 22 : 22 ports	- 2 : 2 ports	- 2 : 2 ports	- GCP : Gigabit Combo ports and Gigabit SFP ports	- NP : None-PTP version

	Model Name	Description	Operating Temperature
Available Model	RGPS-92222GCP-NP-LP_US	Industrial 26-port managed Gigabit PoE Ethernet switch with 22x10/100/1000Base-T(X) P.S.E., 2xGigabit combo P.S.E. ports and 2x100/1000Base-X, SFP socket, low watts power supply included, US power cord	
	RGPS-92222GCP-NP-LP_EU	Industrial 26-port managed Gigabit PoE Ethernet switch with 22x10/100/1000Base-T(X) P.S.E., 2xGigabit combo P.S.E. ports and 2x100/1000Base-X, SFP socket, low watts power supply included, EU power cord	
	RGPS-92222GCP-NP-LP_UK	Industrial 26-port managed Gigabit PoE Ethernet switch with 22x10/100/1000Base-T(X) P.S.E., 2xGigabit combo P.S.E. ports and 2x100/1000Base-X, SFP socket, low watts power supply included, UK power cord	
	RGPS-92222GCP-NP-LP_JP	Industrial 26-port managed Gigabit PoE Ethernet switch with 22x10/100/1000Base-T(X) P.S.E., 2xGigabit combo P.S.E. ports and 2x100/1000Base-X, SFP socket, low watts power supply included, JP power cord	
	RGPS-92222GCP-NP-P_US	Industrial 26-port managed Gigabit PoE Ethernet switch with 22x10/100/1000Base-T(X) P.S.E., 2xGigabit combo P.S.E. ports and 2x100/1000Base-X, SFP socket, power supply included, US power cord	
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	RGPS-92222GCP-NP-P_UK	Industrial 26-port managed Gigabit PoE Ethernet switch with 22x10/100/1000Base-T(X) P.S.E., 2xGigabit combo P.S.E. ports and 2x100/1000Base-X, SFP socket, power supply included, UK power cord	
	RGPS-92222GCP-NP-P_JP	Industrial 26-port managed Gigabit PoE Ethernet switch with 22x10/100/1000Base-T(X) P.S.E., 2xGigabit combo P.S.E. ports and 2x100/1000Base-X, SFP socket, power supply included, JP power cord	
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Packing List

- RGPS-92222GCP-NP/LP/P x 1
- ORing Tool CD x 1
- Quick Installation Guide x 1
- Rack-mount Kit x 1
- Power Cable x 1

Optional Accessories (Can be purchased separately)

- Open-Vision M500 : Powerful Network Management Windows Utility Suit, 500 IP devices
- SFP100M series : 100Mbps SFP optical transceiver
- SFP 1G series : 1Gbps SFP optical transceiver
- DBU-01 : backup unit device