RGPS-92222GCP-NP-BT-P

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, enhanced version, power supply included



Features

- Support standard IEC 62439-2 (Media Redundancy Protocol) function
- 24 ports P.S.E. fully compliant with IEEE802.3bt standard, provide up to 90 Watts per port
- 19-inch rack mountable
- Support Modbus TCP protocol
- Web-based, telnet, Console (CLI), and Windows utility (Open-Vision) configuration

Product Description

RGPS-92222GCP-NP-BT-P is an industrial managed Gigabit PoE++ Ethernet switch featuring 22×10/100/1000Base-T(X) IEEE 802.3bt PoE ports, 2×Gigabit combo PoE ports, and 2×100/1000Base-X SFP ports. It supports up to 90 W PoE output per port and provides O-Ring redundancy with a recovery time of less than 30 ms, as well as MSTP/RSTP/STP. The switch can be centrally managed through Open-Vision and configured via Web, Telnet, or console CLI, making it ideal for mission-critical industrial fiber and PoE applications.

Specifications

9000 Series	
Model Name	RGPS-92222GCP-NP-BT-P
Ethernet Interface	
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
Standard	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 802.3bt PoE++ (up to 90 Watts per port for P.S.E.)
Switch Properties	

Processing		Store-and-Forward
Switching Bandwidth		52Gbps
MAC Table		8K
Packet Buffer		12Mbits
Priority Queues		8
Jumbo Frame Size		Up to 9.6K Bytes
Switching Latency		7 us
Max. No. of VLANs		4095
VLAN ID Range		VID 1 to 4094
Ethernet Technologies		
Industrial Protocol		Modbus TCP
Management		IPv4/ IPv6 HTTPS/ SSH/Telnet DBU01 Option Configuration TFTP DHCP Client/Server/Relay Multiple Configuration SNMPv1,v2c,v3/RMON Private MIB DHCP Client/Server/Relay/Option 82/Snooping Open-Vision
System Management		Multiple User Privilege
Port Configuration		Port configuration, status, statistics, monitoring, security
Redundancy Protocol		O-Ring O-Chain MRP MSTP (RSTP/STP compatible) ERPS (Ethernet Ring Protection Switching)
Security		Device Binding security feature DOS/DDOS auto prevention Access Management IP Source Guard ACL AAA-TACACS+ AAA-RADIUS client Port based network access control (802.1X) MAC-based authentication Port Security Limit Control (Enable/Disable Ports) IEC-62443-4-2
Time Management		NTP Client/Server IEEE 1588v2 clock synchronization
SNMP		SNMP v1/ v2c/ v3, SNMP trap
VLAN		Port based VLAN, 802.1Q VLAN, Q-in-Q, GARP, GVRP, Guest VLAN, Private VLAN
IGMP		IGMP Snooping v2/v3,
QoS		802.1p Queueing, TOS/Diffserv, Application-based QoS, Storm Control
Other Interfaces		
Console Port		RS-232 in RJ45 connector with console cable. 115200bps, 8, N, 1
Fault Contact		Relay output to carry capacity of 1A at 24VDC
Reset Button		< 5 sec: System reboot, > 5 sec: Factory default
LED indicators		
System	PWR	Green
	R.M.	Green : Indicates that the system is operating in O-Ring Master mode
	Ring	Green : Indicates that the system operating in O-Ring mode

		Green Blinking : Indicates that the Ring is broken.	
	Fault	Amber : Indicate unexpected event occurred	
10/100/1000Base-T(X) RJ45 Port Indicator (The LED indicators are integrated into the RJ45 connector.)		LNK/ACT(To the left of the RJ45 connector.)	Speed (To the Right of the RJ45 connector)
		ON	Blinking	
		Light to indicate port established link successfully	Blinking to indicate that the port is actively receiving sending or data	10Mbps: off 100Mbps: Amber 1000Mbps: Green
100/1000Base-X SFP Port Indicator		Green for port Link/Act.	
PoE Indicator		Green : PoE enabled LED x 24	
Power			
Input Voltage		One 100 ~ 240VAC	
Power Connection		AC power cord	
Power consumption		37 Watts (PoE output not included)	
PoE power budget		90W/per ports, up to 720W 545W@60ºC 720W@50ºC	
Overload current protection		Present	
Physical Characteristic			
Enclosure		IP-30	
Housing		Metal	
Installation		Rackmount	
Dimension		431 (W) x 342 (D) x 44 (H) mm (16.97 x 13.47 x 1.73 inch)	
Weight		5370g	
Regulatory Approvals			
EMC		CE EMC (EN 55032, EN 55035), FCC Part 15B	
EMI		EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15B class A	
EMS		EN 55032(IEC/EN 61000-4-2 (ESD), IEC/EN 61000-4-3 (RS),IEC/EN 61000-4-4 (EFT), IEC/EN 61000-4-5 (Surge), IEC/EN 61000-4-6 (CS), IEC/EN 61000-4-8(PFMF), IEC/EN 61000-4-11 (DIP)	
Shock		IEC 60068-2-27	
Free Fall		IEC 60068-2-31	
Vibration		IEC 60068-2-6	
Safety		IEC 62368-1	
Environmental Limits			
Operating Temperature		-40 to 60 ºC	
Storage Temperature		-40 to 85ºC	
Operating Humidity		5% to 95% (non-condensing)	

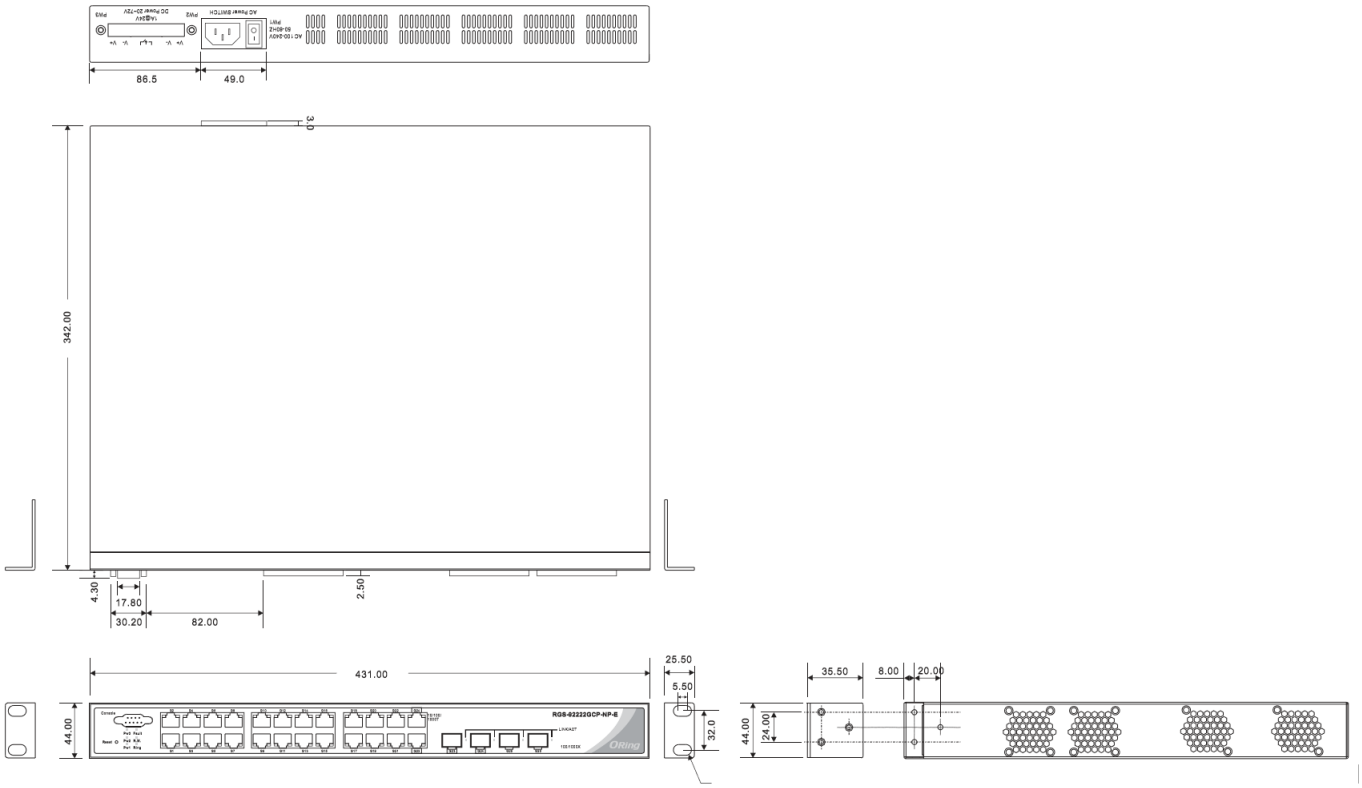
MTBF and Warranty	
MTBF Time	TBD
Warranty	5 years

Packing List

Device	1 x RGPS-92222GCP-NP-BT-P
Others	1 x Quick Installation Guide 1 x AC power cord 1 x Rackmount Kit 1 x Console Cable

Dimensions

Unit: mm



Ordering Information

RGPS-92222GCP-NP-BT-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, enhanced version, power supply included, US power cord
RGPS-92222GCP-NP-BT-P _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, enhanced version, power supply included, EU power cord
RGPS-92222GCP-NP-BT-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, enhanced version, power supply included, UK power cord
RGPS-92222GCP-NP-BT-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, enhanced version, power supply included, JP power cord