# RGS-92222GCP-NP

## Rack-Mount Ethernet Switch

> » *Industrial 26-port managed Gigabit Ethernet switch with 22x10/100/1000Base-T(X), 2xGigabit combo and 2x100/1000Base-X, SFP socket*
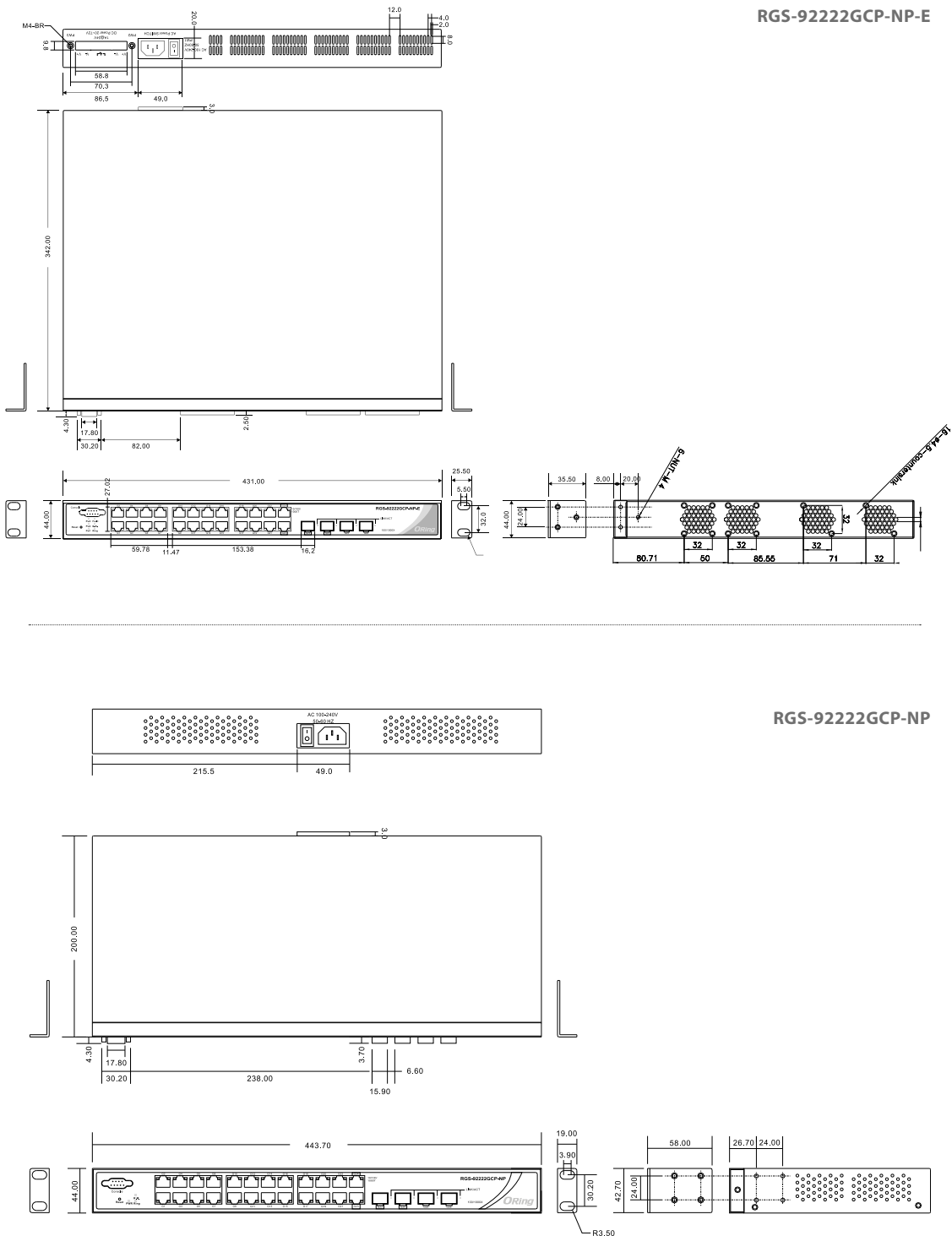
### Features

- 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
- 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
- SFP socket support DDM function
- Multiple notification for warning of unexpected event
- Support **backup unit device DBU-01** for quickly backup/restore configuration
- Web-based ,Telnet, Console (CLI), and Windows utility (**Open-Vision**) configuration
- Support LLDP Protocol
- 19 inches rack mountable design

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Irrtum und Änderung vorbehalten.
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## Rack-Mount Ethernet Switch

### Dimensions

RGS-92222GCP-NP-E

RGS-92222GCP-NP

(Unit=mm)

# RGS-92222GCP-NP

## Rack-Mount Ethernet Switch

### Specifications

| ORing Switch Model | RGS-92222GCP-NP | RGS-92222GCP-NP-E |
|---|---|---|
| **Physical Ports** | | |
| 10/100/1000Base-T(X) with Ports in RJ45 Auto MDI/MDIX | 22 | |
| Gigabit Combo port with 10/100/1000Base-T(X) and 100/1000Base-X SFP ports | 2 | |
| 100/1000Base-X with SFP port | 2 | |
| **Technology** | | |
| Ethernet Standards | IEEE 802.3 for 10Base-T<br>IEEE 802.3u for 100Base-TX and 100Base-FX<br>IEEE 802.3ab for 1000Base-T<br>IEEE 802.3z for 1000Base-X<br>IEEE 802.3x for Flow control<br>IEEE 802.3ad for LACP (Link Aggregation Control Protocol )<br>IEEE 802.1p for COS (Class of Service)<br>IEEE 802.1Q for VLAN Tagging<br>IEEE 802.1w for RSTP (Rapid Spanning Tree Protocol)<br>IEEE 802.1s for MSTP (Multiple Spanning Tree Protocol)<br>IEEE 802.1x for Authentication<br>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<br>Switching bandwidth: 52Gbps<br>Max. Number of Available VLANs: 4095<br>VLAN ID Range : VID 1 to 4094<br>IGMP multicast groups: 256 for each VLAN<br>Port rate limiting: User Define | |
| Jumbo frame | Up to 9.6K Bytes | |
| Security Features | Device Binding security feature<br>Enable/disable ports, MAC based port security<br>Port based network access control (802.1x)<br>Single 802.1x and Multiple 802.1x<br>MAC-based authentication<br>QoS assignment<br>MAC address limit<br>TACACS+<br>VLAN (802.1Q ) to segregate and secure network traffic<br>Radius centralized password management<br>SNMPv3 encrypted authentication and access security<br>Https / SSH enhance network security<br>Web and CLI authentication and authorization<br>IP source guard | |
| Software Features | IEEE 802.1D Bridge, auto MAC address learning/aging and MAC address (static)<br>Multiple Registration Protocol (MRP)<br>MSTP (RSTP/STP compatible)<br>Redundant Ring (O-Ring) with recovery time less than 30ms over 250 units<br>TOS/Diffserv supported<br>Quality of Service (802.1p) for real-time traffic<br>VLAN (802.1Q) with VLAN tagging<br>IGMP v2/v3 Snooping<br>IP-based bandwidth management<br>Application-based QoS management<br>DOS/DDOS auto prevention<br>Port configuration, status, statistics, monitoring, security<br>DHCP Server/Client<br>DHCP Relay<br>Modbus TCP<br>DNS client proxy<br>SMTP Client<br>NTP server | |
| Network Redundancy | O-Ring<br>Open-Ring<br>O-Chain<br>MRP**\*NOTE**<br>Fast Recovery<br>MSTP (RSTP/STP compatible) | |

# RGS-92222GCP-NP

## Rack-Mount Ethernet Switch

## Ordering Information

RGS-9 [AA] [B] [C] [DDD] -NP - [E]

| Code Definition | 10/100/1000Base-T(X) Port Number | Gigabit Combo Port Number | Additional Port Number | Additional Port Type | Model Type |
|---|---|---|---|---|---|
| **Option** | **- 22:** 22 ports | **- 2:** 2 ports | **- 2:** 2 ports | **-GCP:** Gigabit Combo ports and Gigabit SFP ports | **-E:** enhanced model with dual DC inputs and Relay output |

| | Model Name | Description |
|---|---|---|
| Available Model | RGS-92222GCP-NP__US | Industrial 26-port managed Gigabit Ethernet switch with 22x10/100/1000Base-T(X) , 2xGigabit combo ports and 2x100/1000Base-X, SFP socket, US power cord |
| | RGS-92222GCP-NP__UK | Industrial 26-port managed Gigabit Ethernet switch with 22x10/100/1000Base-T(X) , 2xGigabit combo ports and 2x100/1000Base-X, SFP socket, UK power cord |
| | RGS-92222GCP-NP__EU | Industrial 26-port managed Gigabit Ethernet switch with 22x10/100/1000Base-T(X) , 2xGigabit combo ports and 2x100/1000Base-X, SFP socket, EU power cord |
| | RGS-92222GCP-NP__JP | Industrial 26-port managed Gigabit Ethernet switch with 22x10/100/1000Base-T(X) , 2xGigabit combo ports and 2x100/1000Base-X, SFP socket, JP power cord |
| | RGS-92222GCP-NP-E__US | Industrial 26-port managed Gigabit Ethernet switch with 22x10/100/1000Base-T(X) , 2xGigabit combo ports and 2x100/1000Base-X, SFP socket, enhanced version, US power cord |
| | RGS-92222GCP-NP-E__UK | Industrial 26-port managed Gigabit Ethernet switch with 22x10/100/1000Base-T(X) , 2xGigabit combo ports and 2x100/1000Base-X, SFP socket, enhanced version, UK power cord |
| | RGS-92222GCP-NP-E__EU | Industrial 26-port managed Gigabit Ethernet switch with 22x10/100/1000Base-T(X) , 2xGigabit combo ports and 2x100/1000Base-X, SFP socket, enhanced version, EU power cord |
| | RGS-92222GCP-NP-E__JP | Industrial 26-port managed Gigabit Ethernet switch with 22x10/100/1000Base-T(X) , 2xGigabit combo ports and 2x100/1000Base-X, SFP socket, enhanced version, JP power cord |

### Packing List

- RGS-92222GCP-NP/-E x 1
- ORing Tool CD x 1
- Quick Installation Guide x 1
- Rack-mount Kit x 1
- Power Cable x 1
- Console 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
- DR-45 series : 45 Watts DIN-Rail power supply
- DR-75 series : 75 Watts DIN-Rail power supply
- DR-120 series : 120 Watts DIN-Rail power supply
- DBU-01 : Backup unit device

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