ORing

RGS-PR92484DGP+

Industrial Layer-3 36-port managed Gigabit Ethernet switch with 20x10/100/1000Base-T(X)

+4x 100/1000Base SFP combo+8x 100/1000BaseX SFP and 4x1G/2.5G/10GBase-X, SFP+

Features

➢ Support Layer 3 static routing, OSPF ,RIP and VRRP function

➢ Support MSTP(RSTP/STP compatible) for Ethernet Redundancy

➢ Support standard IEC 62439-2 **MRP**[*NOTE] (Media Redundancy Protocol) function

➢ Supports O-Ring (recovery time < 30ms) and MSTP (RSTP/STP compatible) for Ethernet Redundancy

➢ O-Chain allow multiple redundant network rings

➢ Support IPv6 new internet protocol version

➢ Provided HTTPS/SSH protocol to enhance network security

➢ Support SMTP client and SNTP server protocol

➢ 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

➢ Multiple notification for warning of unexpected event

➢ Web-based ,Telnet, Console (CLI)

➢ Support LLDP Protocol

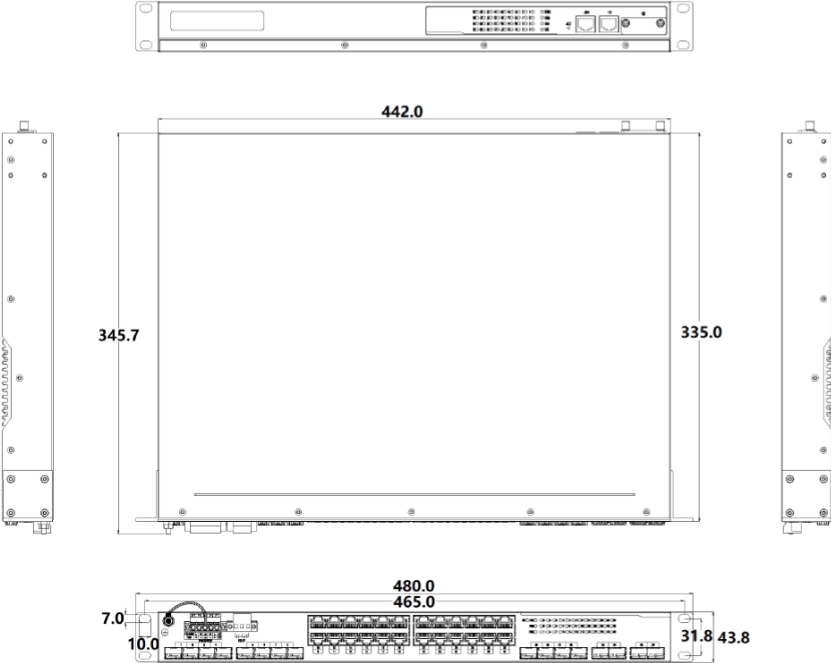➢ 19 inches rack mountable design

CE FC

Introduction

RGS-PR92484DGP+ Industrial switch is specially designed for Transportation Industry applications. equipped with up to 20 10/100/1000BaseT Ports + 4 100/1000Base(X/T) COMBO Ports + 8 100/1000BaseX SFP Ports and 4 1000/2500/10000BaseX SFP Ports, making them ideal for large-scale industrial networks.

The fanless switch supports redundant ring, and RSTP/STP redundancy technologies, and come with an iso-lated redundant power supply to increase system reliability and the availability of your network backbone of your network backbone.

Dimension

Unit: mm

Specifications

ORing Switch Model	RGS-PR92484DGP+
Physical Ports	
10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX	20
100/1000Base(X/T) combo port	4
100/1GBase-X with SFP+ port	8
1G/2.5G/10GBase-X with SFP+ port	4
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 802.3ae for 10Gigabit Ethernet 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	32k
Packet Buffer	32Mbits
Jumbo frame	Up to 10K Bytes
Priority Queues	8
Processing	Store-and-Forward
Switch Properties	Switching latency: 7 us Switching bandwidth: 144Gbps Max. Number of Available VLANs: 4095 VLAN ID Range : VID 1 to 4094 IGMP multicast groups: 128 for each VLAN Port rate limiting: User Define
Security Features	Device Binding security feature Enable/disable ports, MAC based port security Port based network access control (802.1x) MAC-based authentication (802.1x) VLAN (802.1Q) to segregate and secure network traffic SNMPv3 encrypted authentication and access security Https / SSH enhance network security Web and CLI authentication and authorization IP source guard
Software Features	Routing protocols ,OSPFv2 RIP and static routing IEEE 802.1D Bridge, auto MAC address learning/aging and MAC address (static) Multiple Registration Protocol (MRP) MSTP (RSTP/STP compatible) TOS/Diffserv supported Quality of Service (802.1p) for real-time traffic VLAN (802.1Q) with VLAN tagging IGMP v2/v3 Snooping Application-based QoS management DOS/DDOS auto prevention Port configuration, status, statistics, monitoring, security DHCP Server/Client/ Relay Modbus TCP NTP server SMTP Client Port failure with relay output
Network Redundancy	MRP[*Note]

	Fast Recovery
	MSTP (RSTP/STP compatible)
	O-Ring
	O-Chain
RJ45 Console Port	RJ45 console cable. 115200bps, 8, N, 1
LED indicators	
Power Indicator (PWR)	Green: Power indicator
Fault Indicator (Fault)	Amber: Indicate unexpected event occurred
Fault contact	
Relay	24VDC /1A
Power	
Power input	Dual inputs ,100~240VAC /DC
Overload current protection	Present
Reverse Polarity Protection	Present
Physical Characteristic	
Enclosure	19 inches rack mountable
Dimension (W x H x D)	442mm×43.8mm×335mm
Weight (g)	4,000 g
Environmental	
Storage Temperature	-40 to 85ºC
Operating Temperature	-40 to 75ºC
Operating Humidity	5% to 95% Non-condensing
Regulatory approvals	
EMC	CE EMC (EN 55035, EN 55032), FCC Part 15 B
EMI	EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15 B class A
EMS	EN 55035 (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	EN 62368-1
MTBF	550, 530 hrs.
Warranty	5 years

Ordering Information

	Model Name	Description
Available Model	**RGS-PR92484DGP+**	Industrial Layer-3 36-port managed Gigabit Ethernet switch with 20x10/100/1000Base-T(X) +4x 100/1000Base SFP combo+8x 100/1000BaseX SFP and 4x1G/2.5G/10GBase-X, SFP+ socket

Packing List

- **RGS-PR92484DGP+ x 1**
- **Rack-mount Kit x 1**
- **ORing Tool CD x 1**
- **Quick Installation Guide x 1**
- **Console Cable x 1**

* All specifications are subject to change without notice.