## Quick Installation Guide

## $\therefore$ Introduction

The RGS-92222GCP-NP series, which consist of the RGPS-92222GCP NP-LP and RGPS-92222GCP-NP-P models, are managed rack-mouni Ethernet switches with 22 10/100//1000Base-T(X) IEEE802.3at P.S.E. ports, two Gigabit combo ports, and two 100/1000Base-X SFP ports. The P.S.E-enabled ports are able to provide sufficient power for power-hungry devices with up to 30 per port. With dual power inputs for redundancy the switches have an operating temperature from $-40^{\circ} \mathrm{C}$ to $60^{\circ} \mathrm{C}$.

## : Package Contents

| Contents | Pictures | Number |
| :---: | :---: | :---: |
| RGPS-92222-GCP-NP |  | x1 |
| Console Cable | $()^{+\infty}$ | x 1 |
| CD |  | x 1 |
| QIG | $V$ | x1 |
| Screw (M4 $\times 6$ ) | $\otimes$ | x 6 |
|  |  | x 1 |
| Power cord |  | x 1 |

## :'Preparation

Before you begin installing the switch, make sure you have all of the package contents available and a PC with Microsoft Internet Explorer 6.0 or later, for using web-based system management tools.

## Safety \& Warnings

Elevated Operating Ambient: If installed in a closed or multi-unit rack greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximu mbient temperature (Tma) specified by the manufacture
Reduced Air Flow: Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
Mechanical Loading: Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical oading
Circuit Overloading: Consideration should be given to the connection of the equipment o the supply circuit and the effect hnt overloading of het
might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing his concern.

- Dimension

- Panel Layouts


1. Console port
2. Reset button
3. Power indicato
4. Ring status LED
5. Ring status LED
6. RM status LED
7. Fault indicat
8. LAN ports
9. LED for oden Ethernet ports link/ act
10. First Gigabither ports link/act st
11. First Gigabit combo port
12. Poend status
13. 5 SP ports
14. SFP ports
15. LNK/ACT

Rear View

## 

1. Power switch
2. AC power input ( $100 \mathrm{~V} \sim 240 \mathrm{~V}$
/ $50 \sim 6 \mathrm{~Hz})$
:Installation

- Rack-mounting

Step 1: Install left and right front mounting brackets to the switch using three screws on each side. Step 2: With front brackets orientated in front of the rack, fasten the brackets to the rack using two more screws.


- Network Connection

The switch provides standard Ethernet ports. According to the link type, the switch uses CA $3,4,5,5 \mathrm{E}$ UTP cables to connect to any other network devices (PCs, servers, switches routers, or hubs). Please refer to the following table for cable specifications.
Cable Types and Specifications

| cable | туpe | Max. Length | Connector |
| :---: | :---: | :---: | :---: |
| 108ASET T | Cat. 3, 4, 5100.ohm | UTP 100 m (328 fit) | RJ-4 |
| 100BASE-TX | Cat. 5100 -ohm UTP | UTP 100 m (328 fit | RJ.45 |
| 1000BASE-T | Cat. 5 / Cat. 5e 100-ohm UTP | UTP 100 m (328ft) | RJ45 |

With 10/100BASE-T(X) cables, pins 1 and 2 are used for transmitting data, and pins 3 and 6 are used for receiving data. The device also supports auto MDI/MDI-X operation. You can use a cable to connect the switch to a PC
For pin assignments for different types of cables, please refer to the following
tables

| 10/100Base-T(X) P. P. E. R J.45 port |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Pin Number | Assignment |  |  |  |  |
| \#1 | TD+ with PoE Power input + |  |  |  |  |
| \#2 | TD- with PoE Power input + |  |  |  |  |
| \#3 | RD+ with PoE Power input- |  |  |  |  |
| \#6 | RD- with PoE Power inut - |  |  |  |  |
| 1000Base-T P.S.E. RJ-45 port |  |  |  |  |  |
| Pin Number | Assignment |  |  |  |  |
| \#1 | BI_DA with PoE Power input |  |  |  |  |
| \#2 | BI_DA- with PoE Power input |  |  |  |  |
| \#3 | BI_DB+ with PoE Power input |  |  |  |  |
| \#4 |  | B1_DC+ |  |  |  |
| \#5 |  | Bl_DC- |  |  |  |
| \#6 | BI_DB- | - with PoE Power input |  |  |  |
| \#7 |  | BI_DD+ |  |  |  |
| \#8 |  | BI_DD. |  |  |  |
| 10/100 Base-T(X) MD/MOI-X |  |  | 10008se-TMD/MDI-X |  |  |
| Pin Number | Mol port | Mol-x port Pin | Pin Numb | MO1 port | Mol-X port |
| то | TD+(transmit) | RD+(receive) | 1 | BI_DA+ | B1_D8+ |
| T0 | To.transmit) | RD-(reecive) | 2 | BI_DA | BI_DB- |
| Ro | RD+ + receive) | Tottransmit) | 3 | Bl_D8+ | Bl_DA+ |
| 4 | Not used | Notused | 4 | Bl_DC+ | B1_D + |
| 5 | Not used | Notused | 5 | Bl_CC. | BI_DD- |
| R | RD-(receive) | TD.(transmit) | 6 | BI_DB- | BI_DA- |
| 7 | Not used | Notused | 7 | Bl_DD + | Bl_OC+ |
| 8 | Not used | Notused | 8 | Bl_DD | Bl_DC- |

Console cable
Use the provided DB-9 cable (RS-232 cable) to connect the switch to a PC with the DB-9

| PC pin out (male) | RS-232 with DB9 |
| :---: | :---: |
| assignment | female connector |
| Pin \#2 RD | Pin \#2 TD |
| Pin \#3 TD | Pin \#3 RD |
| Pin \#5 GND | Pin \#5 GND |

## Quick Installation Guide

## Configurations

After installing the switch and connecting cables, start the switch by turning on power. The green power LED should turn on

- LED indication table


1. Launch the Internet Explorer and type in IP address of the switch. The
default stataic IP address is 192.168.10.1


2. in mint 2. Log in with default user name and password (both are admin). After
logging in, you should see the following screen. For more information In configurations, please refert to the user manual. For information on operating the switch using ORing's Open-Vision management utility, please
go to ORing website.


- Resetting

To reboot the switch, press the Reset button for 5 seconds.
To restore the switch configurations back to the factory defaults, press the Reset
button for 10 seconds.

GPS-92222GCP-NP Series
Managed Gigabit PoE Ethernet Switch
:Specifications



## ORing

Copyright@ 2014 ORing

```
* . w FCCE
```

ORing Industrial Networking Corp.


