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## Industrial Managed Gigabit Switch

## :Introduction

The IGS-9122GP is a managed industrial Ethernet switch with twelve 10/100/1000Base-T(X) ports and two 100/1000Base-X SFP ports. The Gigabit ports provide high network through puts to give your network the
capacity to handle huge workloads. The SFP ports can meet demand for long-distance data transmission. The switch also supports Ethernet Redundancy protocol, O-Ring (recovery time $<30 \mathrm{~ms}$ over 250 units of connection) and MSTP (RSTP/STP compatible) to protect mission-critical
applications from network interruptions or temporary malfunctions with fast recovery technology With a wide operating temperature from $-40^{\circ} \mathrm{C}$ $75^{\circ} \mathrm{C}$, the device can be managed centrally via ORing's proprietary OpenVision platform as well as via Web-based interfaces, Telnet, and console (CLI). The switch is one of the most reliable choices for highly-managed and fiber Ethernet applications.

## :- Package Contents

The device is shipped with the following items. If any of these items is missing or damaged, please contact your customer service representative for assistance

| Contents | Pictures | Number |
| :--- | :---: | :---: |
| IGS-9122GP |  | $x_{1}$ |
| CD |  | $x_{1}$ |
| DIN-rail Kit |  | $x_{1}$ |
| Wall-mount Kit |  | $x_{2}$ |
| Console Cable |  |  |
| Q1G |  |  |

## 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. Thereforore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature ( $T$ ma) specified by the manufacturer

1. Reduced Air Flow: Installation of the equipment in a rack should be such that the amount of
not compromised.
2. Mechanical Loading: Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
Circuit Overloading: Consideration should be given to the connection of the equipment to the supply circuit and the effect that overioading of the circuits might have on overcurrent protection
and supply wiring. Apporopriate consideration of equipment nameplate artings shold and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.

- Dimension
$\square$

- Panel Layouts



.Link/action LED for Gigabit
LAN ports

10. Gigabit LAN ports
11. Duplex LED for Gigabit Ethernet
ports
12. SFP port
13. SFP port 13. Link/action LED for SFP port

Rear View



1. Wall-mount screw hole

## - Installation

- DIN-rail Installation

Step 1: Slant the switch and screw the Din-rail kit onto the back of the switch, right in the
middle of the back panel.
Step 2: Slide the switch onto a DIN-rail from the Din-rail kit and make sure the switch clicks into the rail firmly.


- Wall-mounting

Step 1: Screw the two pieces of wall-mount kits onto both ends of the rear panel of the step . Screw the wo pieces of wall-mourt kits onto ooth ends of the rear panel of the
switch. Atoal of six screws are requird, as shown below.
Stee 2: Use the switch, with wall mount plates attached, as a guide to mark the Step 3: Insert screws through the round screw holes (the red arrow as below) on the
Sther lict sides or through the cross-shaped aperture (the green arrow as below) in the middle of the plate and fasten the screw to the wall with a screwdriver.
Step 4: If the screw goes through the crosss-shaped aperture, slide the switch down before tightening the screw.


- Network Connection

The switch provides standard Ethernet ports. According to the link type, the switch uses CAT $3,4,5,5$ e UTP cables to connect to any other network devices


Cable Types and Specifications:

| cable | тype | Max. Length | Connector |
| :---: | :---: | :---: | :---: |
| 108ASET T | Cat. 3, 4, 5100-ohm | UTP 100 m (328ti) | RJ45 |
| 1008AE-TX | Cat. 5100 -ohm UTP | UTP 100 m (328ti) | RJ-45 |
| 10008ASE-T | Cat. 5 / Cat. 5e 100-ohm UTP | UTP $100 \mathrm{~m}(328$ ft) | RJ.45 |

## givabit WITCH

IGS-91.22GP

## : Configurations

After installing the switch, the green power LED should turn on. Please refer to the following tablet for LED indication.

| LED | Color | Staus | Descripion |
| :---: | :---: | :---: | :---: |
| PWR | Green | On | System power on |
| PW1 | Green | On | Power module 1 activated |
| PW2 | Green | On | Power module 2 activated |
| R.M | Green | On | System operated in O-Ring Master mode |
| Ring | Green | On | System operated in O-Ring mode |
|  |  | Binking | Ring stucture is broken |
| Fault | Amber | On | Errors occur (power failure or ports disconnected) |
| 10/100/1000Base-T( ) Fast Ethermet ports |  |  |  |
| LnK/act | Green | On | Portis Linked |
|  |  | Bilinking | Transmiting data |
| Speed | Green | On | Portlink at 1000Mbps |
|  | Amber | On | Port link at 100Mbps |
|  | Green/Amber | off | Port link at 10Mbps |
| SFP ports |  |  |  |
| LNKACT | Green | On | Port is linked |
|  |  | Bilinking | Transmitting data |

Follow the steps to set up the switch:

1. Launch the Internet Explorer and type in IP address of the switch. The default static IP address is
192.168.10.1
2. Log in with default user name and password (both are admin). After logging in, you should see the following screen. For more informatio
on configurations, please refer to the user manual. For information on operating the swi using ORing's Open-Vision management utility,


Resetting
To reboot the switch, press the Reset button for $2-3$ seconds.
Tostore the switch configurations back to the factory defaults, press the Reset button for 5 seconds.

## ORing

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ORing Industrial Networking Corp.


Industrial Managed Gigabit Switch
:Specifications


