## Quick Installation Guide

## $\therefore$ Introduction

The IGS-9844/9848GPF series are managed Ethernet switches with eight (IGS-9844 GPF fiber ports with SC connectors.

## :Package Contents

The IGS-9844/9848GPF series are shipped with the following items. If any of The IGS-9844/9848GPF series are shipped with the following items. If any
these items is missing or damaged, please contact your customer service representative for assistance

| Contents | Pictures | Number | Number |
| :---: | :---: | :---: | :---: |
| 16S-98446PF |  | x 1 |  |
| 16S-98486PF |  |  | $\times 1$ |
| CD |  | x 1 | $\times 1$ |
| DIN-rail Kit | $\because$ | x 1 | $\times 1$ |
| Wall-mount Kit |  | x2 | x2 |
| Console Cable | $2$ | x1 | x1 |
| Q16 | $L$ | x 1 | x 1 |

## :- Preparation

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

## - Safety \& Warning

Elevated Operating Ambient: If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to ambient temperature (Tma) specified by the manufacturer.
Reduced Air Flow: Installation of the equipment in a rack should be such that the amount
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 pading
Circuit Overloading: Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits
might have on overcuurrent protection and suply wiring Approprite might have on overcurrent protection and supply wiring. Appropriate onsideration of equipment nameplate ratings should be used when addressing this concern.

- Dimension

- Panel Layouts

Front View


Rear View


1. Wall-mount screw holes
2. Din-rail screw holes


Top Panel


1. Terner PWR1, PWR2 ( $12-48 \mathrm{VDC})$, Relay
2. Ground wire.

Installation

$$
\begin{aligned}
& \text { © DIN-rail Installation } \\
& \text { Step 1. Slant the switch and screw the Din-rail kit onto the back of the switch, right in } \\
& \text { the midde of the back panel. } \\
& \text { step p: Slide the swith sinh onto a DIN-rail from the Din-rail kit and make sure the switch } \\
& \text { clicks into the rail firmly. }
\end{aligned}
$$



- Wall-mounting

Step 1: Screw the two pieces of wall-mont kits onto both ends of
 correct locations of the four screws.
Step 3: Insert four screw heads through the large parts of the keyhole-shaped aperture
and then slide the switch downwards. Tighten the four screws for added stability.


## Quick Installation Guide

## - Network Connection

The IGS-9844/9848GPF series have 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 (PCs, servers, switches, routers, or hubs). Please refer to the following table for cable specifications.
Cable Types and Specifications:

| Cable | Type | Max. Length | Connetor |
| :---: | :---: | :---: | :---: |
| 108ASE-T | at. 3 | UTP 100 m ( 328 t) | RJ.45 |
| 100BASE-TX | Cat. 5100-ohm UTP | UTP 100 m (328) | RJ45 |
| 1000BASE-TX | Cat. 5Cat. 5e 100-ohm | UTP $100 \mathrm{~m}(3288 t)$ | RJ.45 |

For pin assignments for different types of cables, please refer to the following
tables.

| 1000 Base-T(X) R-45 |  |
| :---: | :---: |
| Pin Number | Assignment |
| 1 | Bl_DA+ |
| 2 | BI_DA |
| 3 | Bl_DB+ |
| 4 | Bl_OC+ |
| 5 | Bl_CC. |
| 6 | Bl_DB. |
| 7 | Bl_DD + |
| 8 | B1_D |


| 10/100 Base-TXX R -45 |  |
| :---: | :---: |
| Pin Number | Assigment |
| 1 | To + |
| 2 | TD- |
| 3 | RD + |
| 4 | Not used |
| 5 | Not used |
| 6 | RD |
| 7 | Not used |
| 8 | Not used |


| 10/100 Base-T(X) MDI/MD-X |  |  |
| :---: | :---: | :---: |
| Pin Number | MOI port | Mol-X port |
| 1 | TDP(transmit) | RD+(receive) |
| 2 | TD-(transmit) | RD-(receive) |
| 3 | RD+rreceive) | TD+(transmit) |
| 4 | Not used | Notused |
| 5 | Not used | Not used |
| 6 | RD-(reecive) | TD-(transmit) |
| 7 | Not used | Not used |
| 8 | Not used | Not used |



Note: "+" and "." " wire pair

Console Port Pin Definition
To connect the console port to an external management device, you need an RJ-45 to ssignment which is also supplied in the package. Below is the console port pin

| PC (male) pin assignment | RS-232 with DB9 (female) pin assignment (RJ45-DB9 cable) | RJ45 pin assignment |
| :---: | :---: | :---: |
| PIN\#2 RxD | PIN\#2 RxD | PIN\#2 RxD |
| PIN\#3 $\mathrm{T} \times \mathrm{D}$ | PIN\#3 $\mathrm{T} \times \mathrm{D}$ | PIN\#3 $\mathrm{T} \times \mathrm{D}$ |
| PINH5 GND | PIN*5 GND | PIN\#5 GND |

- Wiring
ower inputs
The suwh supply 2 (PWR) dual redundant power supplies, Power Supply1 (PWR1) and cated on the terminal bloc
TEP 1: Insert the negativ. STEP 2: To keep the DC wires from pulling loose, use a smmall flat-aldade
screwdriver to tighten the wire-clamp screws on the front of the terminal block
connector.
The two sets of relay contacts of the 6 -pin terminal block connector are used to detect user-configured events. The two wires attached to the fault contacts form an open circuit when a user-configured when an
event is triggered. If a user-configured event does not occur, the fault circuit remains closed.

Grounding
Grounding and wire routing help limit the effects of noise due to electromagnetic interference (EMI). Run he ground connection from the ground screws to the grounding surface prior to connecting devices.

## - Configurations

After instaling following tablet for LED indication.


Follow the steps to set up the card:

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


- Resetting

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

Industrial Managed Gigabit Switch

## : Specifications

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