## Quick Installation Guide

## :- Introduction

The IGS-1082GP is a Gigabit unmanaged Ethernet switch with $8 \times 10 / 100 / 1000 \mathrm{Base}-\mathrm{T}(\mathrm{X})$ ports and $2 \times 100 / 1000$ Base-X SFP ports, ideal for applications that demand high bandwidth. The device support a wide range power input between $12 \sim 48 \mathrm{VDC}$ to satisfy the demands of devices Configuration of SFP speed is made easy with a 4 -pin DIP switch which can also be set to send power failure alerts. With a wide operating temperature range from $-40^{\circ} \mathrm{C}$ to $75^{\circ} \mathrm{C}$ and dual power inputs, the devices can work perfectly in harsh environments.

## :- 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

| Contents | Pictures | Number |
| :--- | :---: | :---: |
| IGS-9042GP |  | $\mathrm{x}_{1}$ |
| DIN-rail Kit |  | x 1 |
| Wall-mount Kit | $\ddots$ | x 1 |
| 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. Therefore, consideration should be given to Installing the equipment in an environment compatible with the maximum instailing the equipmentin an environment compatible with
$\triangle$
Reduced Air Flow: Installation of the equipment in a rack should be such Reduced Air fow: Instalation 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
$\triangle$
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
might have on overcurrent protection and supply wiring. Appropriate

IGS-1.082GP
Industrial Unmanaged Gigabit Switch

## :- 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 wack panel.
Step 2: Slide the switch onto a Sten 2: Sidide the switch
clicks into the rail firmly.


- Wall-mounting
screws are required, as shown below.
Step 2: Use the switc
correct locations of the four screws. tep 3: Insert a screw head through the large parts of the keyhole-shaped aperture and then slide the switch downwards. Tighten the screws for added stability.



## Network Connection

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

ORing

## Quick Installation Guide

## :Configurations

| cable | туpe | Max. Length | Connector |
| :---: | :---: | :---: | :---: |
| 10BASETT | Cat. 3, 4, 5100-ohm | UTP 100 m (328 fi) | RJ.45 |
| 100bASE-TX | Cat. 5100 -ohm UTP | UTP 100 m (328t) | RJ.45 |
| 1000BASE-T | Cat. 5/ cat. 5e 100-ohm UTP | UTP $100 \mathrm{~m}(328$ f) | RJ-45 |

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


Note: """ and "-" " signs represent the polarity of the wires that make up each
wire pair.

Wiring
Power inputs
The switch supports dual redundant power supplies, Power Supply (PWR1) and Power Supply 2 (PWR2). The connections for PWR PWR2 and the RELAY are located on the terminal block.
STEP 1: Insert the negative/positive wires into the $V$ VTespectively.
TEP 2: To keep DC wres from pur lade screwdriver to tighten the wire-clamp screws on the front of tha
terminal block connector
Relay contact
Relay contact
The two sets of relay contacts of the 6 -pin terminal block connector are used to detect user-
The two sets of relay contacts of the 6 -pin terminal block connector are used to detect user-
configured events. The two wires altached to the fault contacts form an close circuit when a user-configured event is triggered. If a user-configured event does not occur, the fault circuit remains opened.

Grounding
Grounding and wire routing help limit the effects of noise due to electromagnetic
ground connection from the ground screws to the grounding surface prior to connecting devices. following tablet for LED indication.

Specifications

After installing the switch, the green power LED should turn on. Please refer to the

| LED | Color | Staus | Descripion |
| :---: | :---: | :---: | :---: |
| PW | Green | On | Power is on |
| PW1 | Green | On | DC power module 1 a citivated |
| PW2 | Green | On | DC power module 2 activated |
| Faut | Amber | on | Errors ocur |
| Gigabit Ethernet ports |  |  |  |
| ACTLLNK | Green | On | Port is connected |
| Speed | Green | On | Port runs at 1000Mbps |
|  | Amber | On | Portruns at 100Mbps |
|  | Green/Amber | Off | Portruns at 10Mbps |
| SFP ports |  |  |  |
| LNKLLNK | Green | on | Port is connected |


| virommental |  |
| :---: | :---: |
| Storge Temereature |  |
| Oopeating Temperature |  |
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| Warranty |  |



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