## PaE <br> cigabit <br> BWITEH ndustrial

## $\therefore$ Introduction

IGPS-1080A is unmanaged PoE Ethernet switch with P.S.E. function. IGPS-1080A supports Power over Ethernet, a system to transmit electrical power, along with data, to remote devices over standard twisted-pair cable in an Ethernet network. IGPS-1080
switch has $8 \times 10 / 100 / 10000$ ase-T T ( $)$ PS. switch has $8 \times 10 / 100 / 1000$ Base-T(X) P.S.E. (Power Sourcing Equipment) ports. P.S.E. operating temperature range from $-40^{\circ} \mathrm{C}$ to $75^{\circ} \mathrm{C}$ can satisfy most of operating environment. Therefore, the switch is one of the most reliable choices for PoE Etherne
application.

## : Features

$>$ Provide 8x10/100/1000Base-T(X) PoE (P.S.E.) ports
Support P.S.E. based on IEEE 802.3 at standard up to 30 Watts per port
Supports jumbo frame up to 9720 Bytes
Support auto-negotiation and auto-MDI/MDI-X
Support full half-duplex transmission
Support flow control
$>$ Slim type rigid IP-30 housing design
DIN-Rail and wall mounting enabled

## :- 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 assistanc

| Contents | Pictures | Number |
| :---: | :---: | :---: |
| IGPS-1080A |  | x 1 |
| DIN-rail Kit | 会 | x 1 |
| Wall-mount Kit | (ix) | $\times 2$ |
| QIG |  | x 1 |
| 6-pin terminal block | 迢 | x 1 |

## :- Preparation

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

## Safety \& Warnings

Elevated Operating Ambient: If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may
greater than room ambient. Therefore, consideration should be given to greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum
ambient temperature (Tma) specified by the manufacturer.
 should be used when addressing this concern.

Dimension Unit $=m$ (Tolerance $\pm 0.5 \mathrm{~mm}$ )


## Panel Layouts



Top Panel


$$
\begin{aligned}
& \text { 1. Wall-mount screw holes } \\
& \text { 2. Termminal blocks: PWR1, PWR2 } \\
& \text { 'Relay } \\
& \text { 3. IDP Switch } \\
& \text { 4. Ground wire. }
\end{aligned}
$$

## :- Installation

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


Wall-mounting
Step 1: Screw the wall-mount kit onto the rear panel of the switch. A total of six screws are required, as shown below.
Step 2: Use the switch, wither
orrect locations of the four scrill mount plates attached, as a guide to mark the or the four screws. a acrew 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 uses CAT 3,4,5,5e UTP cables to connect to any other network devices (PCs, servers, switches, reut
specifications.
Cable Types and Specifications:

| cable | Type | Max. Len | Connector |
| :---: | :---: | :---: | :---: |
| 108ASE-T | 3,4, | UTP 100 m (328 ft) | R.3.45 |
| 100BASE-TX | 5100-ohm UTP | UTP 100 m ( 328 ft) | 45 |
| OOOBASE-T | / Cat. 5e 10 | UTP 100 m (328 ft) | R.J 45 |

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Quick Installation Guide

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 DIP Switch Setting

| DIP-1 | DIP-2 | Description |
| :---: | :---: | :--- |
| OFF | OFF | Power failure relay alarm disabled |
| OFF | ON | PWR-1 failure, relay alarm enabled |
| ON | OFF | PWR-2 failure, relay alarm enabled |
| ON | ON | PWR-1 or PWR-2 failure, <br>  <br> Ielay alarm enabled |

## Wiring

Power inputs
The switch supports dual redundant power supplies, Power Supply PWR2 and the RELAY are located on the terminal block.
STEP 1: Insert the negative/positive wires into the $\mathrm{V}-\mathrm{V}+$ terminals,
espectively . ${ }^{\text {STEP } 2: \text { To }}$ Keep the DC wires from pulling loose, use a small flat
blade screwdriver to tighten the wire-clamp screws on the front of the
terminal block connecto.
Relay contact
The two sets of relay contacts of the 6 -pin terminal block connector are used to detect user ser-configured event is triged If a circuit remains opened.
Grounding
Grounding and wire routing help limit the effects of noise due to electromagnetic interference (EMI). Run the ground connection from the ground screws to the grounding surface prior to connecting devices.

## Configurations

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


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## :Specifications



