## sisabit <br> Quick Installation Guide

## :- Introduction

IGS-182GP is unmanaged Ethernet switch with $8 \times 10 / 100 / 1000$ Base-T(X) with $2 \times 100 / 1000$ Base-X ports. With very compact size of housing, you can install IGS-182GP easily. In addition, IGS-182GP is with rigid IP-30 housing design and can operate under harsh environment. The extended operating temperature range from $-40^{\circ} \mathrm{C}$ to $75^{\circ} \mathrm{C}$ is ready and can satisfy most requirement of operation
The product is open type, intended to be installed in and industrial control panel or an enclosure.

## :- 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-182GP |  | $\mathrm{x}_{1}$ |
| DIN-rail Kit |  | $\mathrm{x}_{1}$ |
| Wall-mount Kit |  | $\mathrm{x}_{2}$ |
| QIG |  | $\mathrm{x}_{1}$ |
| 4-pin terminal block |  | $\mathrm{x}_{1}$ |

## : Preparation

Before you begin installing the switch, make sure you have all of the package contents available.

## Safety \& Warnings

Elevated Operating Ambient: If installed in a closed cabinet, the operating ambient temperature of the rack envirinment may be greater than room ambie
Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (Tma) specified by the manufacturer
$\triangle$
Reduced Air Flow: Installation of the equipment 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 din-rail 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 consideration of equipment nameplate ratings should be used when addressing
nis concern. this concern.

Industrial 8+2 port 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 back panel.
Step 2: Slide the switch onto a DIN-rail from the Din-rail kit and make sure the switch Sten 2: Stide the swick
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, with wall mount
t plates attached, as a guide to mark the correct locations of the four screws.
Step 3: Insert a screw head through the earge parts of the keyhole-shaped aperture Step 3: Insert a screw head through the large parts of the keyhole-shaped ap


Warning [AVERTISSEMENT]
Take into consideration the following guidelines before wiring the device
[Tener compte des directrices suivantes avant de cabbler I'appareil.] Torque value $4.5 \mathrm{lb}-\mathrm{in}$.
[Le bornier est compatible av
Valeur de couple $4,5 \mathrm{lb}$ - in .]
Valeur de couple $4,5 \mathrm{lb}$-in.] .The temperature rating of the input connection cable should higher than $105^{\circ} \mathrm{C}$
La temperature de service nominal [. U tempèrature de service nominale du câble d'entrée doit être supérieure à $105^{\circ} \mathrm{C}$ ]
3. Use Copper Conductors Only. [Utilisez uniquement des conducteurs en cuivre.]

IGS-182GP
Industrial 8+2 port Unmanaged Gigabit

| Storage Temperature | -40 to $85^{\circ} \mathrm{C}\left(-40\right.$ to $\left.185^{\circ} \mathrm{F}\right)$ |
| :---: | :---: |
| Operating Temperature | -40 to $75^{\circ} \mathrm{C}$ ( -40 to 167 $7^{\circ} \mathrm{F}$ ) |
| Operating Humidity | 5\% to 95\% Non-condensing |
| Operating Altitude | Up to 2000 m |
| Regulatory Approvals |  |
| EMC | CE EMC (EN 55024, EN 55032), FCC Part 15 B |
| емi | EN 55032, CISPR32, EN 61000-3-2, EN 61000-3-3, FCC Part 15 B class A |
| EMS | EN 55024 (IEC/EN 61000-4-2 (ESD: Contact 4KV, Air 8KV), IEC/EN 61000-4-3 (RS: 3V), <br> IEC/EN 61000-4-4 (EFT Power 0.5KV, Signal 0.5KV), <br> IEC/EN 61000-4-5 (Surge: Power 0.5KV, RJ45 1KV), <br> IEC/EN 61000-4-6 (CS: 3V), IEC/EN 61000-4-8(PFMF), <br> IEC/EN 61000-4-11 (DIP) |
| shock | IEC60068-2-27 |
| Free Fall | IEC60068-2-31 |
| Vibration | IEC60068-2-6 |
| Safety | UL61010-1, UL61010-2-201 |
| MTBF |  |
| Time | 1056,516 hours |
| Standards | Telcordia SR-332 |
| Warranty | 5 years |

Switch

Network Connection
The device has standard gigabit Ethernet ports. According to the link type, the switch uses CAT $3,4,5,5 \mathrm{e}$ UTP cables to connect to any other network devices
(PCs, servers, switches, routers, cable specifications.

Cable Types and Specifications:

| cable | туpe | Max. Length | Comeetor |
| :---: | :---: | :---: | :---: |
| 108ASET T | Cat. 3, 4, 5100-ohm | UTP 100 m (328 ft) | RJ.45 |
| 1008ASE-TX | Cat. 5100-ohm UTP | UTP 100 m (328 ft) | R-45 |
| 1000BASE-T | Cat. 5 / Cat. 5e 100-ohm UTP | UTP 100 m (328 ft) | R.-45 |



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 which are located on
STEP 1: Insert the ne
STEP 1: Ins.
respectively.
STEP 2: To keep the DC wires from pulling loose, use a small flat-blade
screwdriver to tighten the wire-clamp

screwdriver toe tighten the wire-clamp screws on the front of the terminal
block connector.
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 device and connecting cables, start the switch by turning on power. The green power and LEDs should turn on


## :Specifications

| ORing Switch Model | IGS-182GP |
| :---: | :---: |
| Physical Ports |  |
| 10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX | 8 |
| 100/1000Base-X ports | 2 |
| Technology |  |
| Ethernet Standards | IEEE 802.3 for 10 Base-T IEEE 802.3 u for 100Base-TX and 100Base-FX IEEE 802.3ab for 1000Base-T IEEE 802.3 z for 1000 Base-X IEEE 802.3x for Flow control |
| MAC Table | 4 K |
| Processing | Store-and-Forward |
| Switch Latency | <7us |
| Switching bandwidth | 206 bps |
| Packet buffer | 1.5 M bits |
| Jumbo Frame | 9216 Bytes |
| Power |  |
| Input power | Dual $12 \sim 48$ VDC voltage power input on 4 -pin terminal block 1. * Supplied by SELV or double insulation source evaluated by UL 61010-1 or 61010-2-201 power supply only. Fourni par l a source SELV ou double isolation $\qquad$ |
| Power consumption(Typ.) | <5Watts, 12-48VDC: $0.41 \mathrm{~A}-0.11 \mathrm{~A}$ |
| Overload current protection | Present |
| Reverse polarity protection | Present |
| Physical Characteristic |  |
| Dimension ( $\mathrm{W} \times \mathrm{D} \times \mathrm{H}$ ) | $41(\mathrm{~W}) \times 89.8(\mathrm{D}) \times 127$ (H) mm ( $1.61 \times 3.54 \times 5$ inch. $)$ |
| Weight (g) | 400 g |
| Environmental |  |

## ORing

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量… FCC
ORing Industrial Networking Corp.
$\begin{array}{ll}\text { TELL: }+886-2-2218-1066 & \text { Website: www.oringnet.com } \\ \text { FAX: }+886-2-2218-1014 & \\ \text { E-mail: support@oringnet.co }\end{array}$
 Address: 3 F.,. No. $542-2$, ,
Taipei City 23148 , Taiwan

