## cIGABIT

## Introduction

The IGS－150B is a mini type unmanaged gigabit Ethernet switch with five 10／100／1000Base－T（X）ports．Featuring an IP－30 housing，the switch offers a wide operating temperature from $-40^{\circ} \mathrm{C}$ to $70^{\circ} \mathrm{C}$ ．

## ：－Package Contents

The IGS－150B series are shipped with the following items．If any of these items is missing or damaged，please contact your customer service

| Contents | Pictures | Number |
| :---: | :---: | :---: |
| IGS－1508 | 目 | x 1 |
| DIN－rail Kit | 合品 | x 1 |
| Wall－mount Kit | (ix) | x2 |
| Q16 | $\square$ | x1 |

## Preparation

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

## －Safety \＆Warning

Elevated Operating Ambient：If installed in a closed cabinet，the operating ambient temperature of the rack environment 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． by the manufacturer．
$\triangle$ Reduced Air Flow：Installation of the equipment should be such that the amount of air
compromised．
1．Mechanical Loading：Mounting of the equipment in the din－rail should be such that a hazardous condition is not achieved due to uneven mechanical

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 overcurrent protection and supply wiring．Appropriate might have on overcurrent protection and supply wiring．Appropriate
consideration of equipment nameplate ratings should be used when addressing
his concern．

ICS－1．508
－Dimension（Unit：mm）

－Panel Layouts


## 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
midale 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 sides of the switch．A total of eight screws are required，as shown below．
Step 2：Use the switch with wall
Step 2：se the switch，with wall mount plates attached，as a guide to mark the correct
locations of the four screws． Step 3：Insert four screw heads through the large parts of the keyhole－shaped apertures，and then slide the switch downwards．Tighten the four screws for added stability．


## 디도분

ORing
Quick Installation Guide

- Network Connection

The IGS-150B has standard gigabit Ethernet ports. According to the link type, the
switch uses CAT 3, 4. 5. 5e UTP cables to switch uses CAT $3,4,5,5 \mathrm{E}$ UTP cables to connect to any other network devices
(CCS, servers, switches, routers, or hubs) Please refer to the following table for (PCs, servers, switches, routers, or hubs). Please refer to the following table for


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

The switch supports dual redundant power supplies which are
located on the 4 -pin terminal block.
STEP 1 : Insert the negat
terminals, respectively.
STEP 2: To keep the DC wires from pulling loose, use a smal
flat-blade screwdriver to tighten the wire-clamp screws on the
font of the terminal block conncer

## :Configurations

After installing the IGS-150B and connecting cables, start the switch by turning on power. The green power and LEDs should turn on

- LED indication table

| LED | Color | Status | Descripition |
| :---: | :---: | :---: | :---: |
| PW1 | Green | on | ${ }^{\text {CC power module } 1 \text { activated }}$ |
| PW2 | Green | on | ${ }^{\text {C } C \text { power module } 2 \text { activated }}$ |
| LnK/ACt | Green | on | Port is linked |
|  |  | Bilkking | Trasmititing data |
| Speed | Green | On | Port linkat 10000mbps |
|  | Amber | on | Port linkat 100mbps |
|  | off |  | Port lip |


| ORing Switch Model | IGS-150B |
| :---: | :---: |
| Physical Ports |  |
| 10/100/1000Base-T(X) Ports in RJ45 Auto MDI/MDIX | 5 |
| Technology |  |
| Ethernet Standards | IEEE 802.3 for 10Base-T IEEE 802.3 for 100 Base-TX IEEE 802.3 ab for 1000 Base-T IEEE 802.3x for Flow control |
| MAC Table | 4096 MAC addresses |
| Processing | Store-and-Forward |
| LED Indicators |  |
| Power indicator | Green: Power LED $\times 2$ |
| 10/100/1000Base-T(X) RJ45 port indicator | Up Green LED for Link/Act indicato Down dual color LED for speed indicator: Green : 1000Mbps Amber: 100Mbps Off : 10Mbps |
| Power |  |
| Input power | Dual $12 \sim 48$ VDC power inputs at 4 -pin terminal block |
| Power consumption(Typ.) | 3.2 Watts Max. |
| Overload current protection | Present |
| Reverse polarity protection | Present |
| Physical Characteristic |  |
| Enclosure | IP-30 |
| Dimension ( $\mathrm{W} \times \mathrm{D} \times \mathrm{H}$ ) | 26.1 (W) $\times 70(\mathrm{D}) \times 95(\mathrm{H}) \mathrm{mm}(1.03 \times 2.76 \times 3.74 \mathrm{inch}$. |
| Weight (g) | 2229 |
| Environmental |  |
| Storage Temperature | -40 to $85^{\circ} \mathrm{C}\left(-40\right.$ to $\left.185^{\circ} \mathrm{F}\right)$ |
| Operating Temperature | -40 to $70^{\circ} \mathrm{C}\left(-40\right.$ to $\left.158^{\circ} \mathrm{F}\right)$ |
| Operating Humidity | 5\% to 95\% Non-condensing |
| Regulatory Approvals |  |
| Emi | FCC Part 15, CISPR (EN55022) class A |
| ems | EN61000-4-2 (ESD), <br> EN61000-4-3 (RS), <br> EN61000-4-4 (EFT), <br> EN61000-4-5 (Surge), <br> N61000-4-6 (CS) <br> EN61000-4-8, <br> EN61000-4-11 |
| Shock | IEC60068-2-27 |
| Free Fall | IEC60068-2-32 |
| vibration | IEC60068-2-6 |
| Safety | En60950-1 |
| Warranty | 5 years |

## ORing

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