

**8-Port 10/100/1000Mbps
Industrial Gigabit Ethernet Switch**

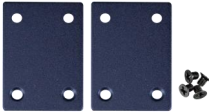
IEGS-8GT-1000F

User's Manual

1. PACKAGE CONTENTS

Thank you for purchasing PLANET 8-Port 10/100/1000T industrial Gigabit Ethernet Switch IEGS-8GT-1000F. In the following section, the term “**Industrial Gigabit Ethernet Switch**” means the IEGS-8GT-1000F.

Open the box of the Industrial Gigabit Ethernet Switch and carefully unpack it. The box should contain the following items:

● Industrial Gigabit Ethernet Switch x 1 	● User's Manual x 1 
● DIN-rail Kit x 1 	● Wall-mount Kit x 1 

If any of these are missing or damaged, please contact your dealer immediately; if possible, retain the carton including the original packing material, and use them again to repack the product in case there is a need to return it to us for repair.

2. PRODUCT SPECIFICATIONS

Model	IEGS-8GT-1000F
Hardware Specifications	
10/100/1000BASE-T Ports	8
Dimensions (W x D x H)	32 x 87 x 135 mm
Weight	476g
Power Requirements	12~48V DC, redundant power with reverse polarity protection function, 24V AC power support
Power Consumption/ Dissipation	6.72 watts/23BTU
Installation	DIN-rail kit and wall-mount ear
Switch Specifications	
Switch Processing Scheme	Store-and-Forward
Address Table	4K
Buffer	1.5Mbits SRAM packet buffer
Flow Control	Back pressure for half duplex IEEE 802.3x pause frame for full duplex
Switch Fabric	16Gbps
Throughput (packet per second)	11.9Mpps
Jumbo Frame	9K
Network Cables	10/100/1000BASE-T: Cat. 3, 4, 5, 5e, 6 UTP cable (100 meters, max.) EIA/TIA-568 100-ohm STP (100 meters, max.)
Standards Conformance	
Standards Compliance	IEEE 802.3 Ethernet IEEE 802.3u Fast Ethernet IEEE 802.3ab Gigabit Ethernet IEEE 802.3x Full-Duplex Flow Control IEEE 802.3az Energy-Efficient Ethernet IEEE 802.1p Class of Service
Temperature	Operating: -40~75 degrees C Storage: -40~75 degrees C
Humidity	Operating: 5% to 90% Storage: 5% to 90% (non-condensing)
Regulatory Compliance	FCC Part 15 Class A, CE

3. HARDWARE INTRODUCTION

3.1 Switch Front Panel

The front panel of the Industrial Gigabit Ethernet Switch consists of 5 or 8 auto-sensing 10/100/1000Mbps Ethernet RJ45 ports. The LED Indicators are also located on the RJ45 ports of the Gigabit Ethernet Switch.

Figures 3-1 show the front panels of the industrial Gigabit Ethernet Switches.

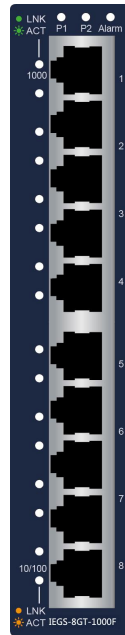


Figure 3-1: IEGS-8GT-1000F Front Panel

3.2 LED Indicators

LED	Color	Function
P1	Green	Lit to indicate power 1 has power.
P2	Green	Lit to indicate power 2 has power.
Alarm	Red	Lit to indicate either power 1 or power 2 has no power.
1000 LNK/ACT	Green	Lit to indicate the port is successfully connecting to the network at 1000Mbps. Off to indicate that the port is successfully connecting to the network at 10Mbps or 100Mbps. Blinking to indicate that the port is actively sending or receiving data.
10/100 LNK/ACT	Amber	Lit to indicate the port is successfully connecting to the network at 100Mbps or 10Mbps. Off to indicate that the port is successfully connecting to the network at 1000Mbps. Blinking to indicate that the port is actively sending or receiving data.

3.3 Switch Upper Panel

The upper panel of the Industrial Gigabit Ethernet Switch consists of one terminal block connector within two DC power inputs.

Figures 3-2 show the upper panel of the Industrial Gigabit Ethernet Switch.

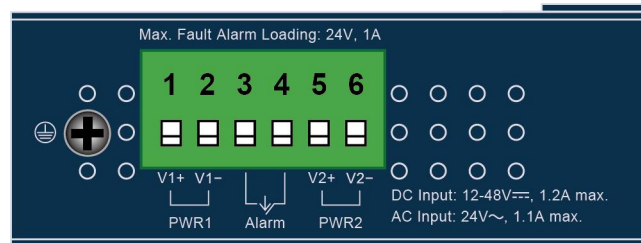


Figure 3-2: IEGS-8GT-1000F Upper Panel

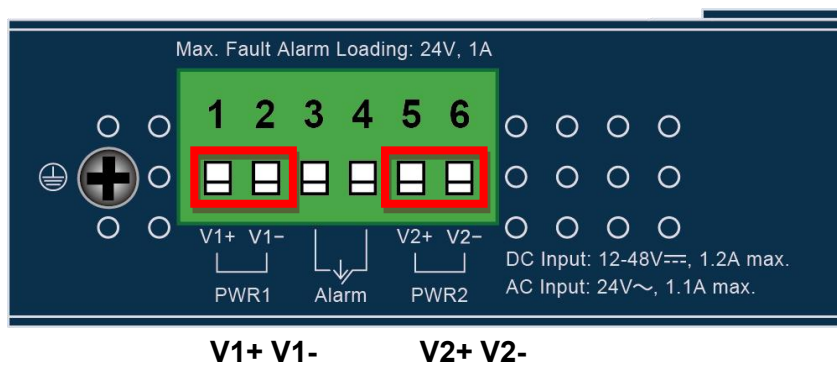
3.4 Wiring the Power Inputs

The 6-contact terminal block connector on the top panel of Industrial Gigabit Ethernet Switch is used for two DC redundant power inputs. Please follow the steps below to insert the power wire.



When performing any of the procedures like inserting the wires or tightening the wire-clamp screws, make sure the power is OFF to prevent from getting an electric shock.

1. Insert positive and negative DC power wires into contacts 1 and 2 for Power 1 or 5, and 6 for Power 2.



Tighten the wire-clamp screws for preventing the wires from loosening.



1	2	3	4	5	6
Power 1		Alarm		Power 2	
+	-			+	-

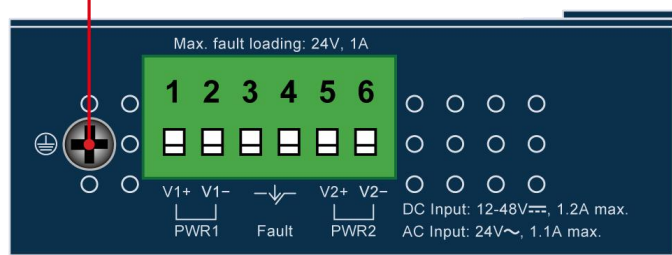


- 1 The wire gauge for the terminal block should be in the range between 12 and 24 AWG.
- 2 The IECS-8GT-1000F power input range is **12V ~ 48V DC** and supports **24V AC**
- 3 Use one power input when using 24V AC.

3.5 Grounding the Device

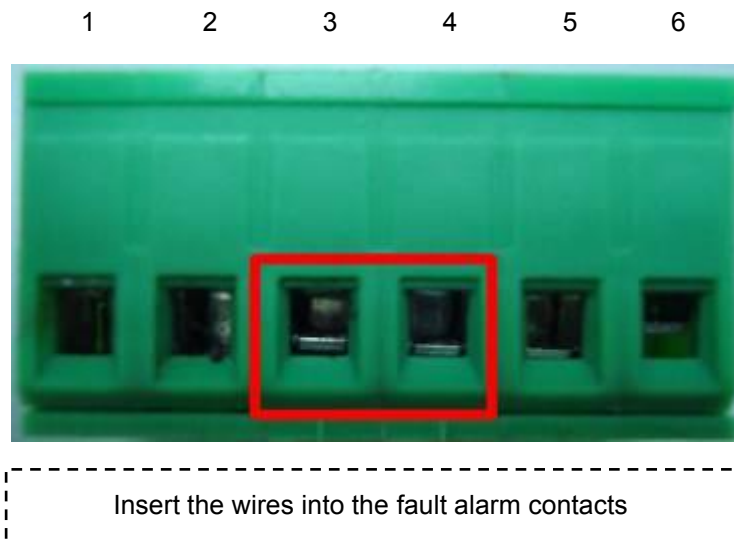
Users **MUST** complete grounding wired with the device; otherwise, a sudden lightning could cause fatal damage to the device.

⏏ Earth Ground

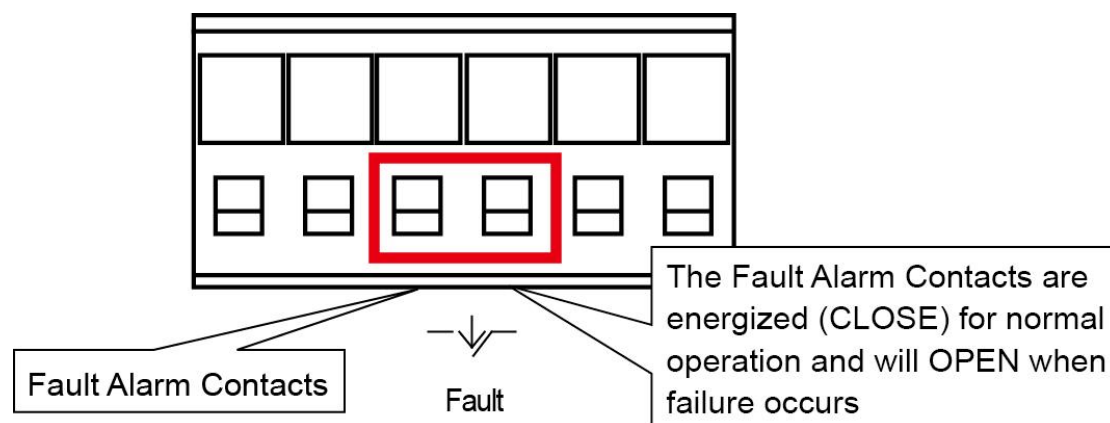


3.6 Wiring the Fault Alarm Contact

The fault alarm contacts are in the middle of the terminal block connector as the picture shows below. Inserting the wires, the Industrial Gigabit Ethernet Switch will detect the fault status of the power failure and then form an open circuit. The following illustration shows an application example for wiring the fault alarm contacts.



1. The wire gauge for the terminal block should be in the range between 12 and 24 AWG.
2. Alarm relay circuit accepts up to 30V, max. 3A currents.



4. INSTALLATION

4.1 DIN-rail Mounting Installation

The DIN-rail is screwed on the Industrial Gigabit Ethernet Switch when out of factory. When you need to replace the wall-mount application with DIN-rail application on Industrial Gigabit Ethernet Switch, please refer to the following figures to screw the DIN-rail on the Industrial Gigabit Ethernet Switch. To hang the Industrial Gigabit Ethernet Switch, follow the steps below:



4.2 Wall-mount Plate Mounting



4.3 Side Wall-mount Plate Mounting



Caution:

You must use the screws supplied with the wall-mounting brackets. Damage caused to the parts by using incorrect screws would invalidate your warranty.

5. CUSTOMER SUPPORT

Thank you for purchasing PLANET products. You can browse our online FAQ resource at the PLANET Web site first to check if it could solve your issue. If you need more support information, please contact PLANET support team.

PLANET online FAQs:

https://china-planet.com/en/product/images/90003/EM_IEGS-8GT-1000F_v1.0.pdf

Support team mail address:

support@china-planet.com

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