Industrial 8-Port 10/100/1000T 802.3af/at PoE + 2-Port 100/1000X SFP Managed Switch with Wide Operating Temperature

IGS-10020PT / IGS-10020HPT

Quick Installation Guide

Version 1.0

Table of Contents

1. Package Content

Thank you for purchasing PLANET Layer 2 Industrial Managed Switch, IGS-10020PT / IGS-10020HPT. The descriptions of these models are as follows:

IGS-10020PT : Industrial 8-Port 10/100/1000T 802.3af PoE + 2-Port 100/1000X SFP Managed Switch

IGS-10020HPT : Industrial 8-Port 10/100/1000T 802.3af/at PoE + 2-Port 100/1000X SFP Managed Switch

"Industrial Managed Switch" is mentioned in this Quick Installation Guide to represent the above two models.

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

- The Industrial Managed Switch x 1
- Quick Installation Guide x 1
- User's Manual CD x 1
- DIN Rail Kit x 1
- Wall Mounting Kit x 1
- DB9 to RJ45 Interface RS232 Console Cable x 1
- Dust Cap x 11

If any of these are missing or damaged, please contact your dealer immediately. If possible, retain the carton including the original packing materials to enable you to repack the product in case there is a need to return it to us for repair.

2. Requirements

The Industrial Managed Switch provides remote login interface for management purposes. The following equipment is necessary for further management:

■ Workstation installed with Ethernet NIC (Network Interface Card)

■ Workstations of subscribers running Windows XP/2003, Vista, Windows 7, MAC OS X, Linux, Fedora, Ubuntu or other platforms compatible with TCP/IP protocols.

◆ The above Workstation is installed with Web Browser and JAVA runtime environment Plug-in.

■ Ethernet Port connection

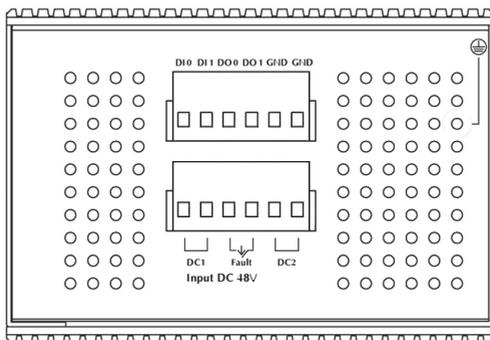◆ Network cables - use standard network (UTP) cables with RJ-45 connectors.

> **Note**
> It is recommended to use Internet Explore 7.0 or above to access the Industrial Managed Switch.

3. Wiring the Power Inputs

The Upper Panel of the Industrial Managed Switch indicates a DC inlet power socket and consists of one terminal block connector within 6 contacts. It accepts input power of 48V DC. Please follow the steps below to insert the power wire.

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

IGS-10020PT / IGS-10020HPT Upper Panel

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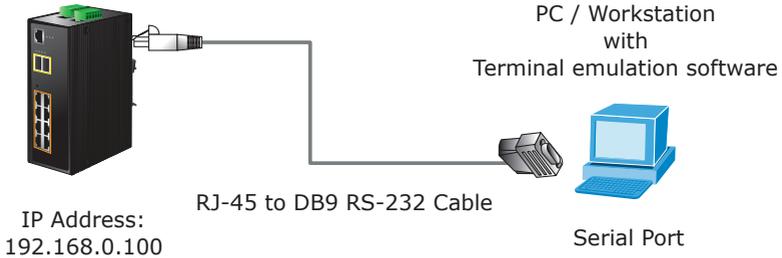

1	2	3	4	5	6
Power 1				Power 2	
+	-			+	-

	The wire gauge for the terminal block should be in the range from 12 to 24 AWG.
Note	

4. Terminal Setup

To configure the system, connect a serial cable to a COM port on a PC or notebook computer and to RJ-45 type serial (console) port of the Managed Industrial Switch. The console port of the Managed Industrial Switch is DCE already, so that you can connect the console port directly through PC without the need of Null Modem.
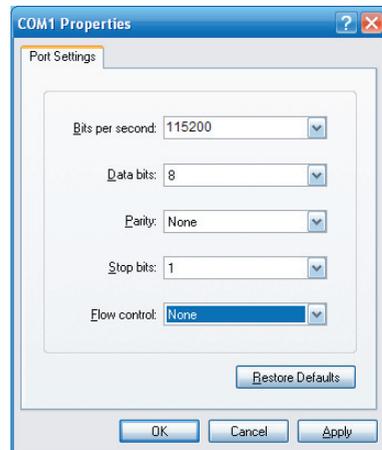
IGS Industrial Managed Switch

PC / Workstation
with
Terminal emulation software

RJ-45 to DB9 RS-232 Cable

IP Address:
192.168.0.100

Serial Port

A terminal program is required to make the software connected to the IGS Managed Industrial Switch. Windows' Hyper Terminal program may be a good choice. The Hyper Terminal can be accessed from the Start menu.

1. Click START, then Programs, Accessories and then Hyper Terminal.

2. When the following screen appears, make sure that the COM port should be configured as:

◆ Baud   : 115200

◆ Parity   : None

◆ Data bits : 8

◆ Stop bits : 1

◆ Flow Control : None

5. Logon to the Console

Once the terminal has been connected to the device, power on the IGS-10020PT / IGS-10020HPT Managed Industrial Switch and the terminal will display "running testing procedures".

When the following dialog box shown in Figure 5-1 appears, please enter the factory default user name **"admin"** and password **"admin".**
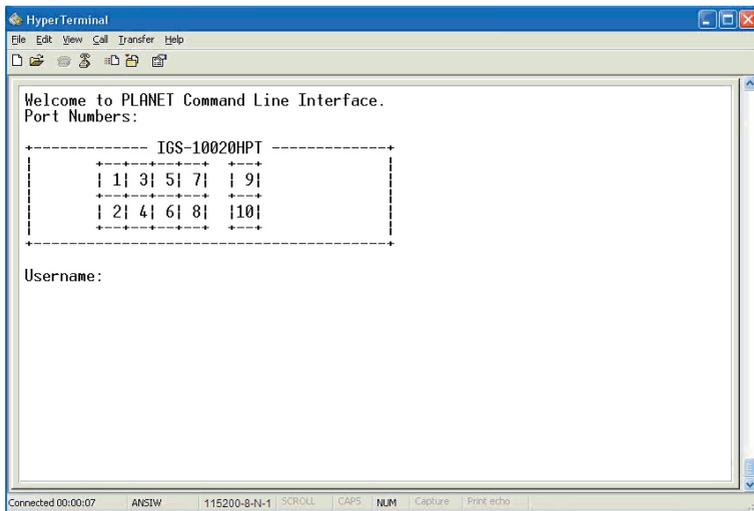
User name: **admin**
Password: **admin**

Figure 5-1 IGS-10020PT / IGS-10020HPT Console Login screen

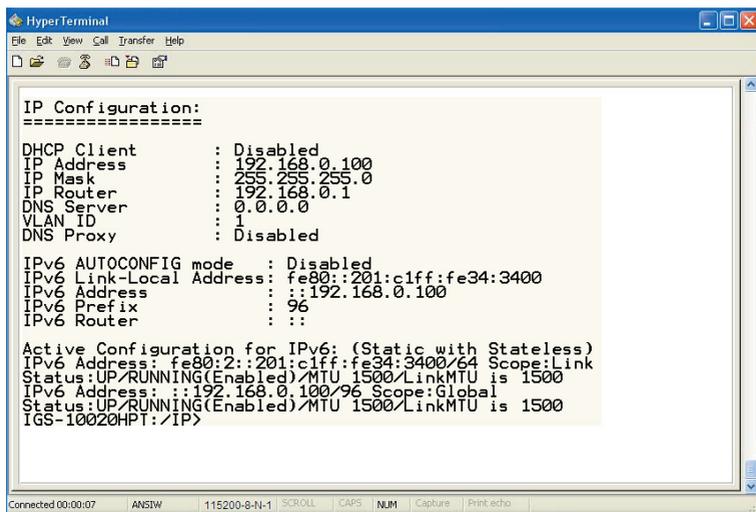|	
Note	1. For security reason, please change and memorize the new password after this first setup.
	2. Only accept command in lowercase letter under console interface.

6. Configure IP address

The IGS-10020PT / IGS-10020HPT Managed Industrial Switch is shipped with default IP address as follows:

> IP Address: **192.168.0.100**
> Subnet Mask: **255.255.255.0**

To check the current IP address or modify a new IP address for the Managed Industrial Switch, please use the procedures as follows:

■ The current IP address is displayed.

1. On **"IGS-10020HPT>"** prompt, enter **"ip"** to enter IP configuration mode.

2. On **"IGS-10020HPT :/IP>"** prompt, enter **"configuration"**.

3. The screen displays the current IP address, Subnet Mask and Gateway. See Figure 6-1.

Figure 6-1 Display IP information screen

■ IP address is configured.

4. On **"IGS-10020HPT: /IP>"** prompt, enter the following command and press **<Enter>** as shown in Figure 6-2.

```
IGS-10020HPT:/IP>setup 192.168.1.100 255.255.255.0 192.168.1.1 1
```
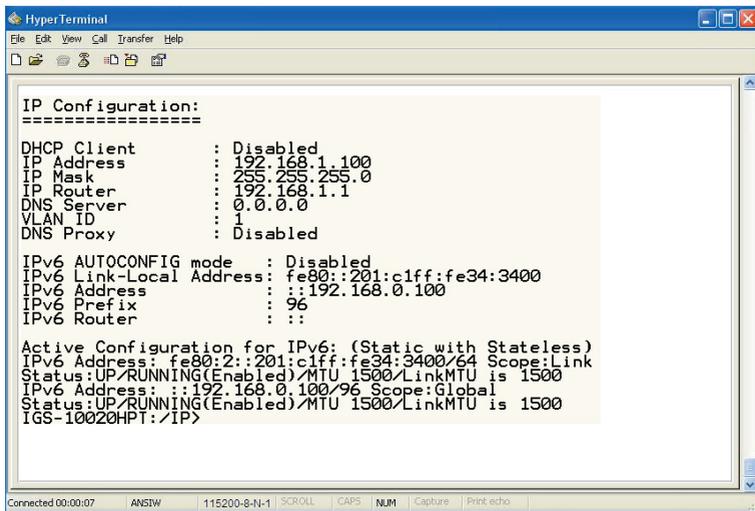
The previous command would apply the following settings for the Switch.

IP: 192.168.1.100

Subnet Mask: 255.255.255.0

Gateway: 192.168.1.1

VLAN ID: 1

Figure 6-2 Set IP address screen

5. Repeat Step 1 to check if the IP address is changed.

If the IP is successfully configured, the Managed Industrial Switch will apply the new IP address setting immediately. You can access the Web interface of IGS Managed Industrial Switch through the new IP address.
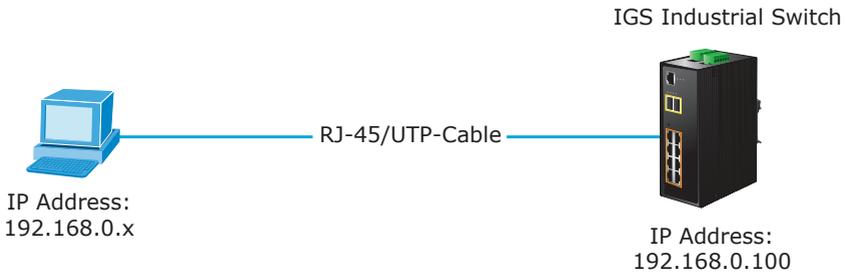
Note	If you are not familiar with console command or the related param-eter, enter "?" anytime in console to get the help description.

7. Start Web Management

The following shows how to start up the **Web Management** of the Industrial Managed Switch. Note the Industrial Managed Switch is configured through an Ethernet connection. Please make sure the manager PC must be set on the same **IP subnet address**.

For example, the default IP address of the Industrial Managed Switch is **192.168.0.100**, then the manager PC should be set at **192.168.0.x** (where x is a number between 1 and 254, except 100), and the default subnet mask is 255.255.255.0.

IGS Industrial Switch

RJ-45/UTP-Cable

IP Address:
192.168.0.x

IP Address:
192.168.0.100

Figure 7-1: IP Management Diagram

Login the Industrial Managed Switch

1. Use Internet Explorer 7.0 or above for Web browser and enter IP address **http://192.168.0.100** (the factory-default IP address) to access the Web interface.

2. When the following dialog box appears, please enter the default user name **"admin"** and password **"admin"** (or the password you have changed before) as shown in Figure 7-2.

Default IP Address: **192.168.0.100**
Default User Name: **admin**
Default Password: **admin**

Figure 7-2: Login Screen

3. After entering the password, the main screen appears as shown in Figure 7-3.
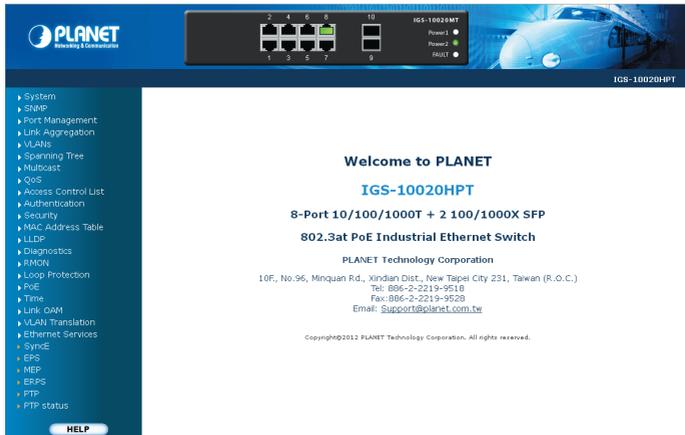

Figure 7-3: Web Main Screen of Industrial Managed Switch

4. The Switch Menu on the left of the Web page lets you access all the functions and status the Industrial Managed Switch provides.

Now, you can use the Web management interface to continue the Switch management. Please refer to the user manual for more.
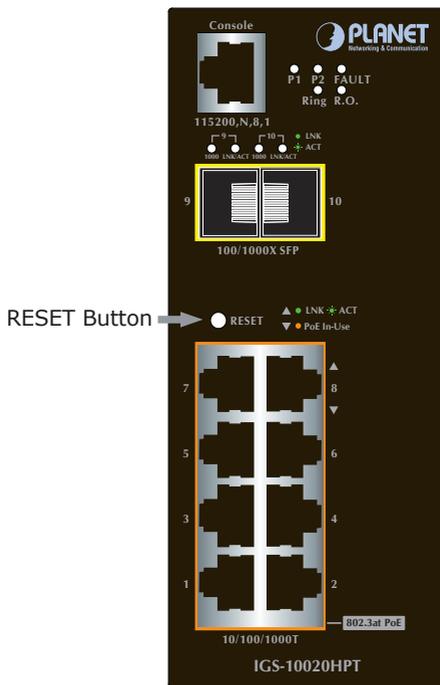
Note	For security reason, please change and memorize the new password after this first setup.

8. Reset the Switch to Default

To reset the IP address to the default IP Address **"192.168.0.100"** and the user password to factory default mode (default password is **admin**), press the hardware reset button at the front panel for about 10 seconds. After the device is rebooted, you can login the management Web interface within the same subnet of 192.168.0.xx and default password. Be noted that all the previous setups will be disappeared after the factory default reset is made.

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 switch support team.

PLANET online FAQ :
http://www.planet.com.tw/en/support/faq.pho

Switch support team mail address :
support_switch@planet.com.tw

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