8-Port 10/100Mbps + 2G TP/SFP Combo

Managed Industrial Switch

ISW-1022M / ISW-1022MT / ISW-1022MP /

ISW-1022MPT / ISW-1033MT

Quick Installation Guide

Table of Contents

1. Package Content

Thank you for purchasing PLANET Layer 2 Managed Industrial Switch, ISW-1022M or ISW-1033M series. Terms of **"Managed Industrial Switch"** means the Switches mentioned titled in the cover page of this Quick installation guide, i.e. ISW-1022M / ISW-1022MT / ISW-1022MPT / ISW-1022MP / ISW-1033MT.

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

● The Managed Industrial Switch x 1

● User's Manual CD x 1

● Quick Installation Guide x 1

● RS232 cable (RJ-45 to DB9) x 1

● Two Rack-mounting brackets with attachment screws x 1

If any item is found missing or damaged, please contact your local reseller for replacement.

2. Requirements

- Workstations of subscribers running Windows 98/ME, NT4.0, 2000/2003/XP, MAC OS9 or later, Linux, UNIX or other platform compatible with TCP/IP protocols.

- Workstation installed with Ethernet NIC (Network Card)

- **Serial Port connect** (Terminal)

  - ◆ Above PC with COM Port (DB-9)

- **Ethernet Port connect**

  - ◆ Network cables - Use standard network (UTP) cables with RJ45 connectors.

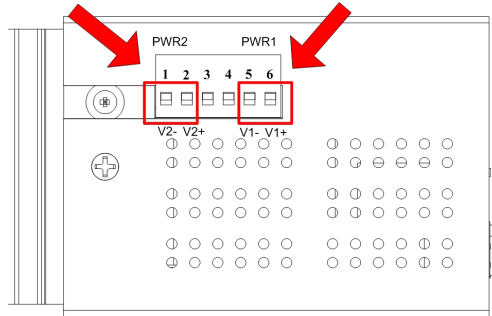 - ◆ Above PC installed with WEB Browser and JAVA runtime environment Plug-in

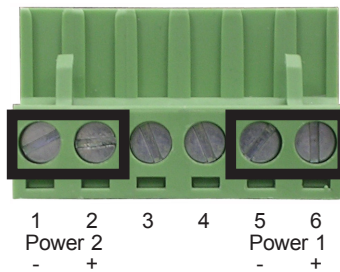|	
Note	It is recommended to use Internet Explore 6.0 or above to access Managed Industrial Switch.

3. Wiring the Power Inputs

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

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

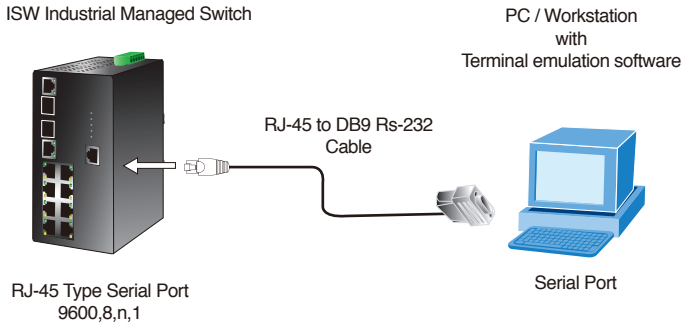2. Tighten the wire-clamp screws for preventing the wires from loosing.

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

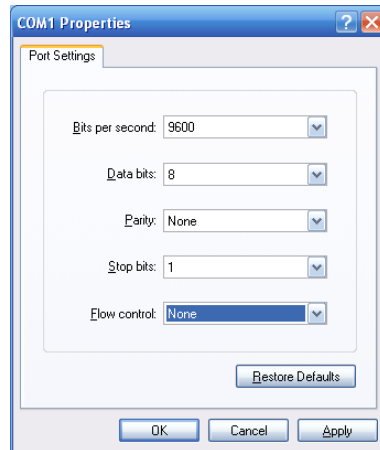|	
Note	The wire gauge for the terminal block should be in the range between 12 ~ 24 AWG.

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.

ISW Industrial Managed Switch

PC / Workstation
with
Terminal emulation software

RJ-45 to DB9 Rs-232
Cable

RJ-45 Type Serial Port
9600,8,n,1

Serial Port

A terminal program is required to make the software connection to the ISW 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: 9600

   ◆ Parity: None

   ◆ Data bits: 8

   ◆ Stop bits: 1

   ◆ Flow Control: None

COM1 Properties

Port Settings

Bits per second: 9600

Data bits: 8

Parity: None

Stop bits: 1

Flow control: None

Restore Defaults

OK   Cancel   Apply

5. Logon to the Console

Once the terminal has connected to the device, power on the Managed Industrial Switch, the terminal will display that it is running testing procedures.

Then, the following message asks the login user name and password. The factory default user name and password as following and the login screen in Figure 5-1 appears.

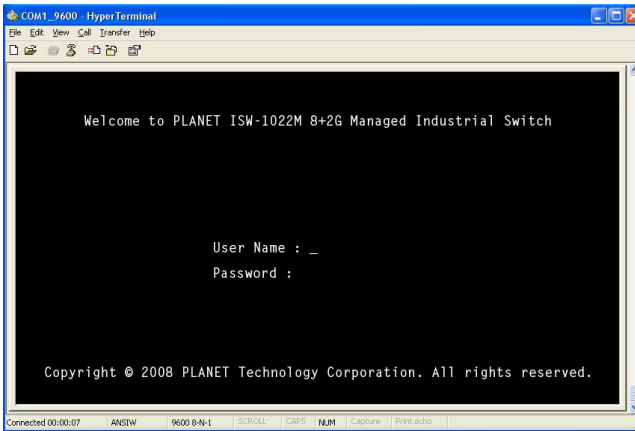User name: **admin**
Password: **admin**

Figure 5-1: Managed Industrial Switch Console Login screen
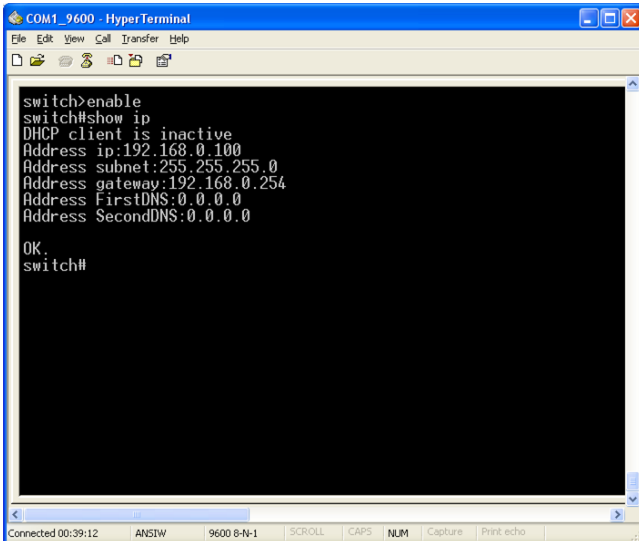
6. Configure IP address

The Managed Industrial Switch is shipped with default IP address as following.

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 follow:

■ **Show the current IP address**

1. On **"Switch>"** prompt, enter **"enable"** to enter Privileged EXEC mode.

2. On **"Switch #"** prompt, enter **"show ip"**.

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

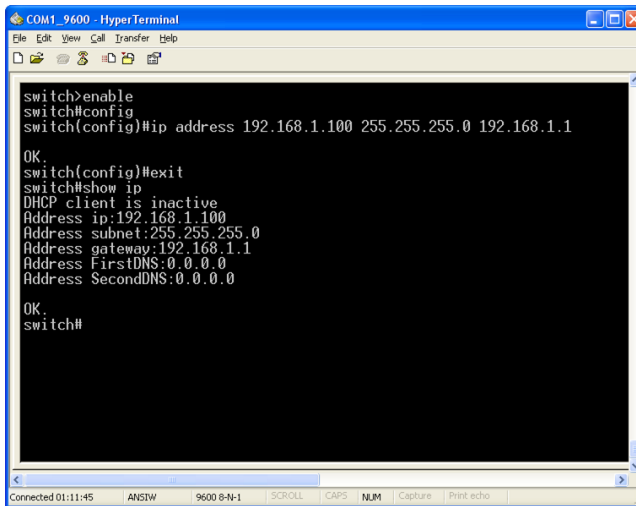**Figure 6-1** Show IP information screen

■ **Configure IP address**

4. On **"Switch#"** prompt, type **"configure"** to enter the configuration Mode.

5. On **"Switch(config)#"** prompt, enter the following command and press **<Enter>**. As show in Figure 6-2.

```
Switch(config)# ip address 192.168.1.100 255.255.255.0 192.168.1.1
```

The previous command would apply the follow settings for the Managed Industrial Switch.

```
IP: 192.168.1.100
Subnet Mask: 255.255.255.0
Gateway: 192.168.1.1
```


Figure 6-2 Set IP address screen

6. Repeat Step 2 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 Managed Industrial Switch through the new IP address.

Note	If you do not familiar with console command or the related parameter, 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 Managed Industrial Switch. Note the Managed Industrial 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 Managed Industrial 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.
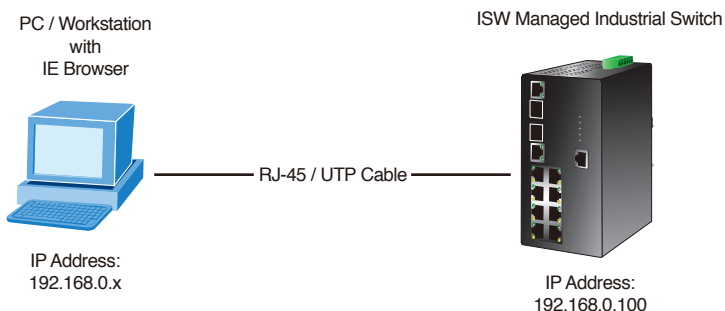

Figure 7-1 IP Management Diagram

Login the Managed Switch

1. Use Internet Explorer 6.0 or above Web browser, enter IP address **http://192.168.0.100** (the factory-default IP address or that you have just changed in console) to access the Web interface.

2. When the following dialog box appears, please enter the default user name **"admin"** and password **"admin"** (or the username/password you have changed via console). The login screen in Figure 7-2 appears.

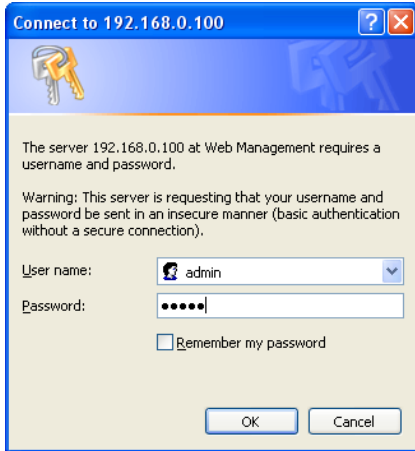Default User name: **admin**
Default Password: **admin**

Figure 7-2 Login screen

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

Figure 7-3 Web Main Screen of Managed Industrial Switch

4. The Switch Menu on the left of the Web page let you access all the commands and statistics the Switch provides.

Now, you can use the Web management interface to continue the Switch management or manage the Switch by console interface.

Please refer to the user manual for more.

8. Customer Support

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

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

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