8-Port 100/1000X SFP + 2-Port 10/100/1000T Managed

Metro Ethernet Switch

MGSD-10080F

Quick Installation Guide

Table of Contents

1. Package Content

Thank you for purchasing PLANET Layer 2 Managed Metro Ethernet Switch, MGSD-10080F. **"Managed Switch"** will also be mentioned as an alternative to the MGSD-10080F in this Quick Installation Guide.

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

● The MGSD-10080F Switch x 1

● User's Manual CD x 1

● Quick Installation Guide x 1

● DB9 to RJ-45 Console Cable x 1

● Dust Cap x 11

● Rubber Feet x 4

● Rack Mount Accessory Kit x 1

● AC Power Cord x 1

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

2. Requirements

● Workstations of subscribers running Windows XP/2003/Vista/7/2008, MAC OS9 or later, Linux, UNIX or other platform compatible with TCP/IP protocols.

● Workstation installed with Ethernet NIC (Network Interface Card)

● **Serial Port connect** (Terminal)

➢ The above PC with COM Port (DB9)

● **Ethernet Port connect**

➢ Network cables - Use standard network (UTP) cables with RJ-45 connectors.

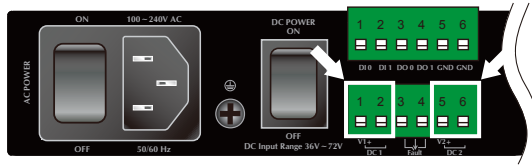➢ The above PC installed with WEB Browser and JAVA runtime environment Plug-in.

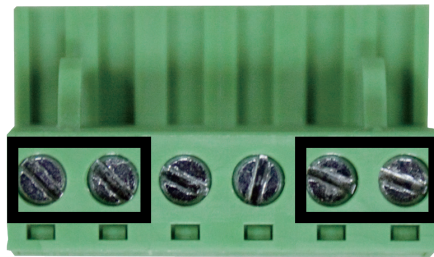|	
Note	It is recommended to use Internet Explore 7.0 or above to access the Managed Switch.

3. Wiring DC Power Inputs

The 6-contact terminal block connector on the rear panel of MGSD-10080F 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 DC POWER 1, or 5 and 6 for DC POWER 2.

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

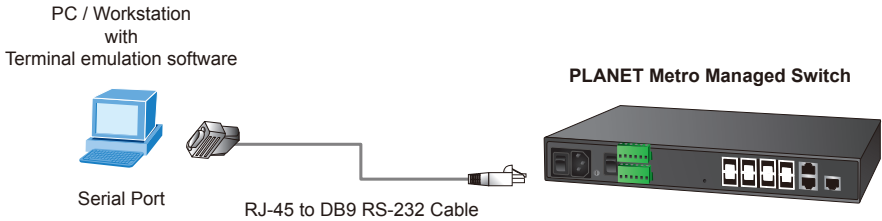| 1	2	3	4	5	6
DC 1		Fault Alarm		DC 2	
+	-			+	-

Note	The wire gauge for the terminal block should be in the range of 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 serial (console) port of the Managed Switch. The console port of the Managed Switch is DCE already. So, you can connect the console port directly to the PC without the need of Null Modem.

PC / Workstation
with
Terminal emulation software

PLANET Metro Managed Switch
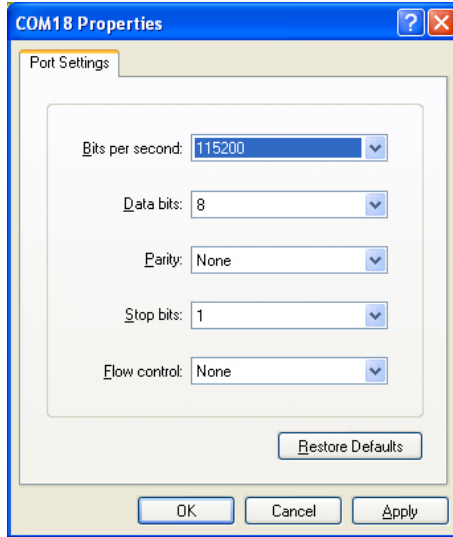
Serial Port

RJ-45 to DB9 RS-232 Cable

A terminal program is required to make the software connection to the Managed 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
◆ Data bits   : 8
◆ Parity   : None
◆ Stop bits   : 1
◆ Flow Contro : None

5. Logon to the Console

Once the terminal is connected to the device, power on the Managed Switch and the terminal will start running testing procedures.

Then, the following message of the login username and password appears. Both the factory default username and password are **"admin"** as the login screen in Figure 5-1 appears.
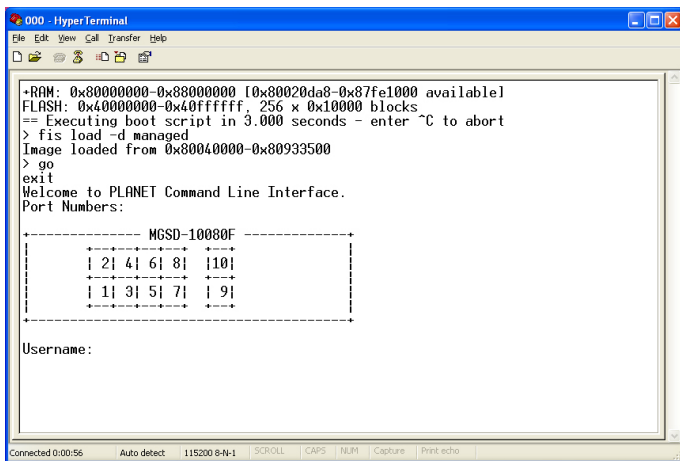
Username: **admin**
Password: **admin**

Figure 5-1: MGSD-10080F Managed Switch Console Login Screen

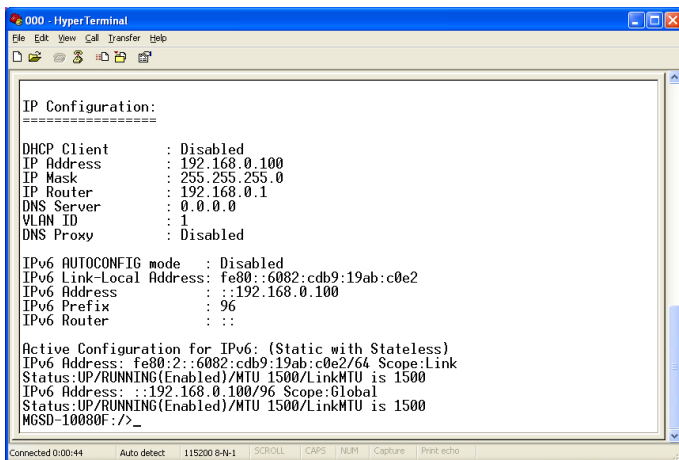| Note	1. For security reason, please change and memorize the new password after this first setup. 2. Only accept command in lowercase letter under console interface.

6. Configure IP Address

The Managed Switch is shipped with default IP address as shown below.

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

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

■ Show the current IP address

1. On **"Switch/>"** prompt, enter **"show ip"**.

2. The screen displays the current IP address, Subnet Mask and Gateway, as shown in Figure 6-1.


```
IP Configuration:
=================

DHCP Client      : Disabled
IP Address       : 192.168.0.100
IP Mask          : 255.255.255.0
IP Router        : 192.168.0.1
DNS Server       : 0.0.0.0
VLAN ID          : 1
DNS Proxy        : Disabled

IPv6 AUTOCONFIG mode   : Disabled
IPv6 Link-Local Address: fe80::6082:cdb9:19ab:c0e2
IPv6 Address           : ::192.168.0.100
IPv6 Prefix            : 96
IPv6 Router            : ::

Active Configuration for IPv6: (Static with Stateless)
IPv6 Address: fe80:2::6082:cdb9:19ab:c0e2/64 Scope:Link
Status:UP/RUNNING(Enabled)/MTU 1500/LinkMTU is 1500
IPv6 Address: ::192.168.0.100/96 Scope:Global
Status:UP/RUNNING(Enabled)/MTU 1500/LinkMTU is 1500
MGSD-10080F:/>_
```

Figure 6-1: Display of IP Information

■ Configure IP address

3. On **"Switch/>"** prompt, enter the following command and press **<Enter>** as shown in Figure 6-2.

Switch/> ip setup 192.168.1.100 255.255.255.0 192.168.1.1

The previous command would apply the following settings for the Switch.

IP Address: 192.168.1.100
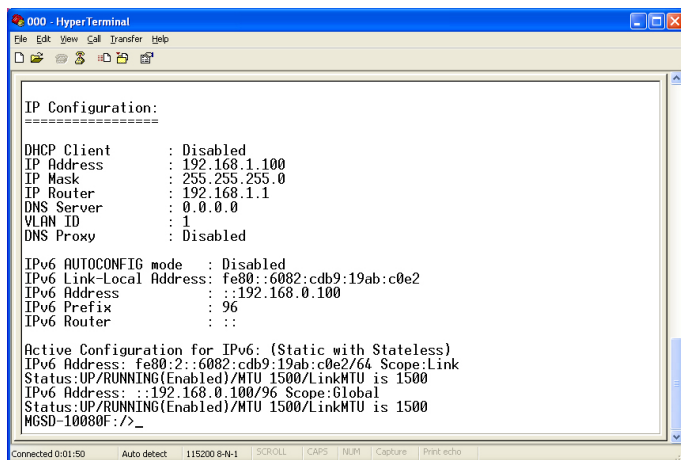**Subnet Mask: 255.255.255.0**
Gateway: 192.168.1.1

Figure 6-2: Setting IP Address

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

If the IP is successfully configured, the Managed Switch will apply the new IP address setting immediately. You can access the Web interface of the Managed Switch through the new IP address.

	If you are not familiar with console command or the related parameter, enter **"help"** anytime in console to get the help description.
Note	

7. Start Web Management

The following shows how to start up the **Web Management** of the Managed Switch. Note the 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 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.
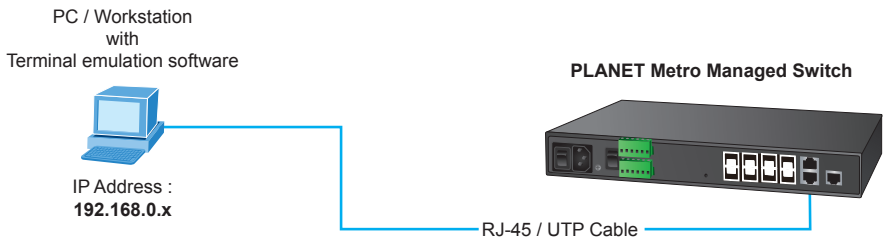

PC / Workstation
with
Terminal emulation software

PLANET Metro Managed Switch

IP Address :
192.168.0.x

RJ-45 / UTP Cable

Figure 7-1: IP Management Diagram

Login the Managed Switch

1. Use Internet Explorer 7.0 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 username and password **"admin"** (or the password you have changed via console). The login screen in Figure 7-2 appears.

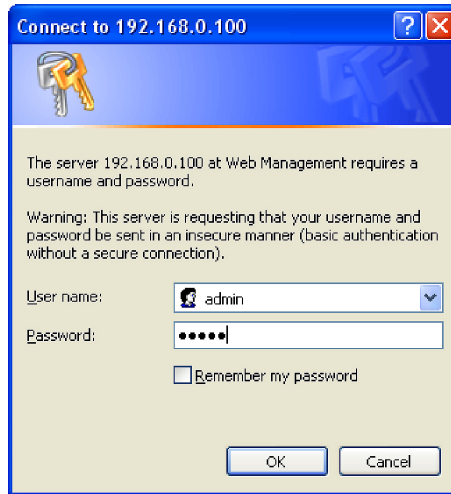Default Username: **admin**
Default Password: **admin**

Figure 7-2: Login Screen

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

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

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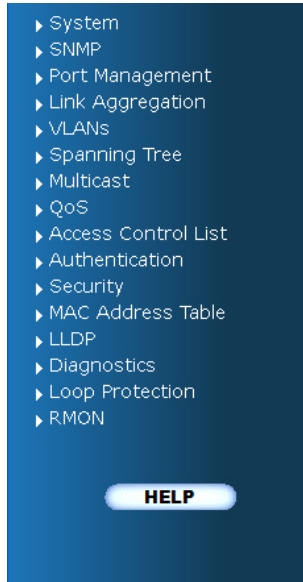

Figure 7-4: S witch Menu
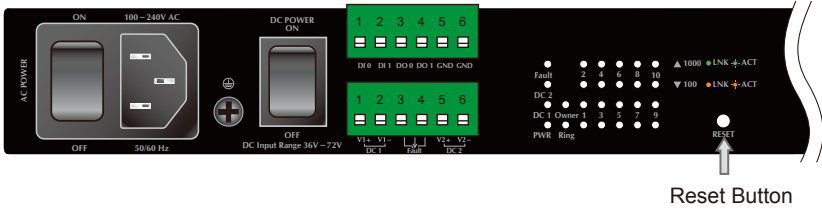
Note	If you are not familiar with Switch functions or the related parameter, press **"Help"** button anytime at left of the Web page to get the help description.

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.

■ **Changing IP Address or forgetting admin password –**

To reset the IP address to the default IP Address **"192.168.0.100"** or reset the login password to default value. Press the hardware **reset button** at the front panel over 5 seconds. After the device is rebooted, you can login to the management Web interface within the same subnet of 192.168.0.xx.

Reset Button

8. Customer Support

Thank you for purchasing PLANET products. You can browse our online FAQ resource at the PLANET website 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.php?mt=menu_support_1

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

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