

**24-Port 100/1000X SFP + 4-Port 10G SFP+  
Managed Metro Ethernet Switch**

**MGSW-28240F**

Quick Installation Guide

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## 1. Package Contents

Thank you for purchasing PLANET Managed Metro Ethernet Switch, MGSW-28240F. The term "**Managed Switch**" mentioned in this Quick Installation Guide refers to the MGSW-28240F.

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

- The MGSW-28240F 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 33
- 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

- Workstation should be running Windows XP/Vista/7/8, Windows 2003/2008, MAC OS X or later, Linux, UNIX or other platforms compatible with TCP/IP protocols.
- Workstation should be installed with Ethernet NIC (Network Interface Card)
- **Serial Port Connection** (Terminal)
  - ◇ The above workstation should come with COM Port (DB9)
- **Ethernet Port Connection**
  - ◇ Network cables - Use standard network (UTP) cables with RJ-45 connectors.
  - ◇ The above PC should be installed with WEB Browser and JAVA runtime environment Plug-in.



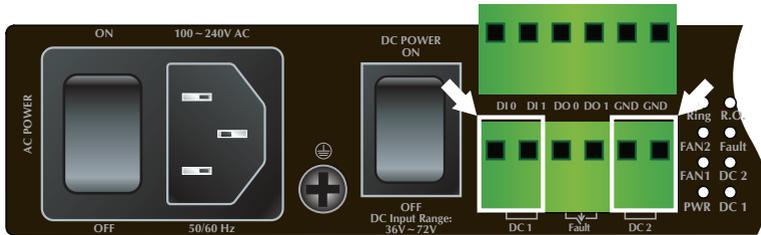
Note

It is recommended to use Internet Explorer 7.0 or above to access the Managed Switch.

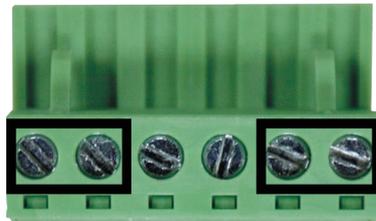
### 3. Wiring DC Power Inputs

The 6-contact terminal block connector on the rear panel of the MGSW-28240F is used for two DC redundant power inputs. 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 loosening.



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

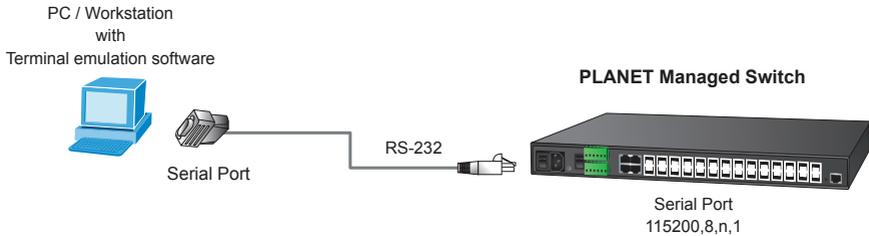


Note

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

## 4. Terminal Setup

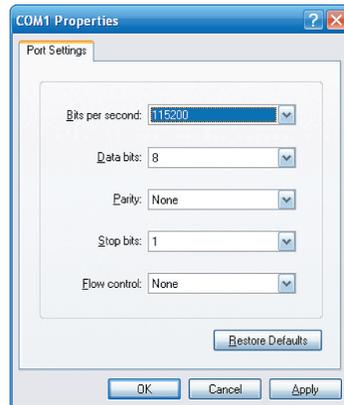
To configure the system, connect a serial cable to a **COM port** on a PC or notebook computer and to serial (console) port of the Managed Switch. The console port of the Managed Switch is DCE already so that you can connect the console port directly through the PC without the need of Null Modem.



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 Control** : None

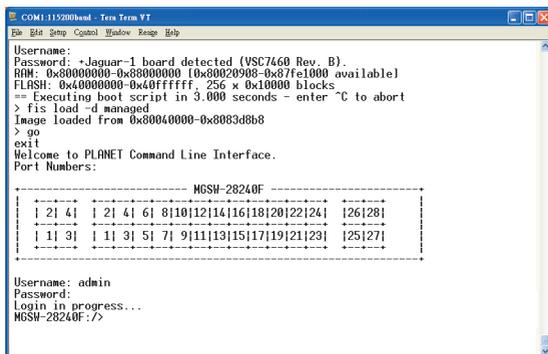


## 5. Logon to the Console

Once the terminal has been connected to the device, power on the Managed Switch and the terminal will display “running testing procedures”.

Then, the following message asks for the login username and password. The factory default username and password are admin as the following and the login screen in Figure 5-1 appears.

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



```
COM1-115200baud - Term Term VT
File Edit Setup Control Window Resize Help
Username:
Password: *Jaguar-1 board detected (VSC7460 Rev. B).
RAM: 0x30000000-0x30000000 (0x80020900-0x37fe1000 available)
FLASH: 0x40000000-0x40ffffff, 256 x 0x10000 blocks
== Executing boot script in 3.000 seconds - enter ^C to abort
> fis load -d managed
Image loaded from 0x80040000-0x8083d8b8
> go
exit
Welcome to PLANET Command Line Interface.
Port Numbers:
-----MGSW-28240F-----
| 2| 4| | 2| 4| 6| 8|10|12|14|16|18|20|22|24| |26|28|
| 1| 3| | 1| 3| 5| 7| 9|11|13|15|17|19|21|23| |25|27|
-----
Username: admin
Password:
Login in progress...
MGSW-28240F:~>
```

Figure 5-1: MGSW-28240F 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. Configuring IP Address

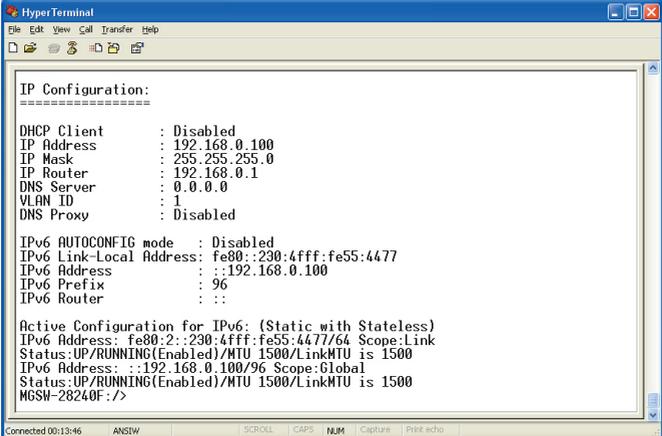
The Managed Switch is shipped with default IP address as shown below:.

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

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

### ■ Show the current IP address

1. On "**MGSW-28240F/>**" prompt, enter "**show ip**".
2. The screen displays the current IP address, Subnet Mask and Gateway as shown in Figure 6-1.



```
HyperTerminal
File Edit View Call Transfer Help
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::230:4fff:fe55:4477
IPv6 Address       : ::192.168.0.100
IPv6 Prefix        : 96
IPv6 Router        : ::

Active Configuration for IPv6: (Static with Stateless)
IPv6 Address: fe80:2::230:4fff:fe55:4477/64 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
MGSW-28240F:/>
```

Figure 6-1: Show IP Information Screen

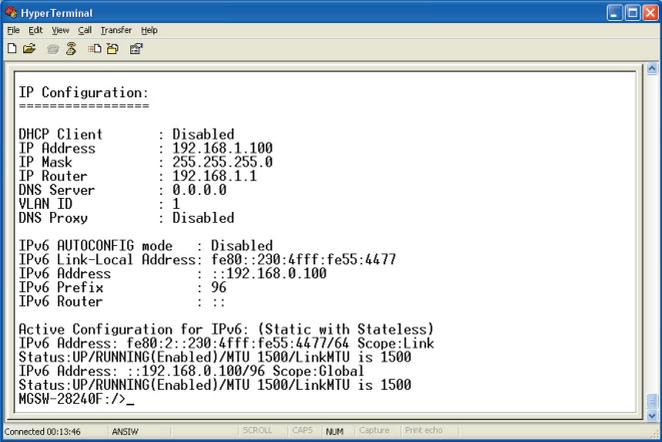
## ■ Configuring IP address

- On "**MGSW-28240F/>**" prompt, enter the following command and press **<Enter>** as shown in Figure 6-2.

```
MGSW-28240F/> ip setup 192.168.1.100 255.255.255.0 192.168.1.1
```

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

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



```
IP Configuration:
=====
DHCP Client      : Disabled
IP Address       : 192.168.1.100
IP Mask          : 255.255.255.0
IP Router        : 192.168.1.1
DNS Server       : 0.0.0.0
VLAN ID          : 1
DNS Proxy        : Disabled

IPv6 AUTOCONFIG mode : Disabled
IPv6 Link-Local Address: fe80::230:4fff:fe55:4477
IPv6 Address       : ::192.168.0.100
IPv6 Prefix        : 96
IPv6 Router        : ::

Active Configuration for IPv6: (Static with Stateless)
IPv6 Address: fe80:2::230:4fff:fe55:4477/64 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
MGSW-28240F:>_
```

**Figure 6-2:** Set IP Address Screen

- 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.



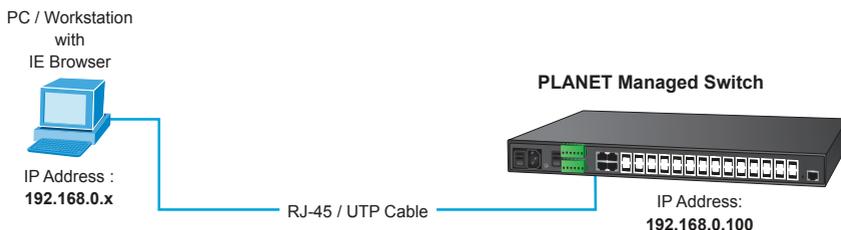
**Note**

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

## 7. Starting 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.



**Figure 7-1:** IP Management Diagram

### ■ Login the Managed Switch

1. Use Internet Explorer 7.0 or above Web browser and 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.

- 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**



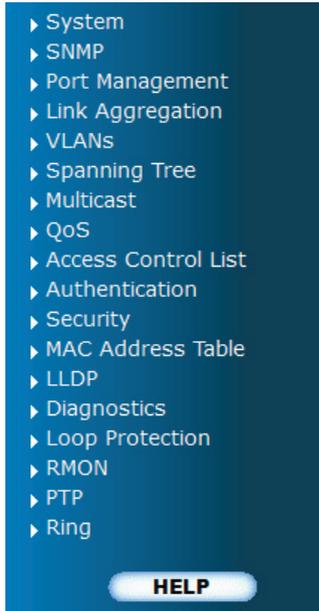
Figure 7-2: Login Screen

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



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

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



**Figure 7-4:** Switch Menu



Note

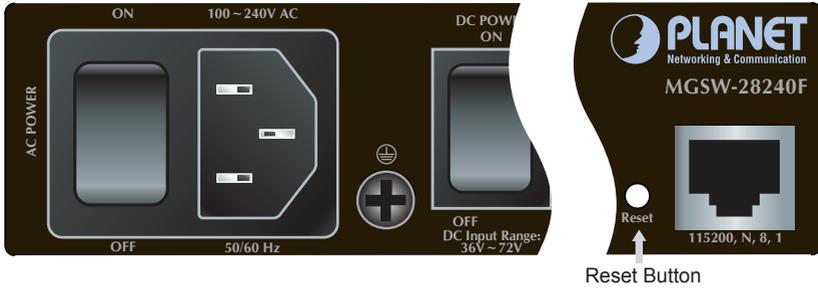
If you are not familiar with Switch functions or the related parameter, press **“Help”** button anytime on the left of the Web page to get the help description.

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 details.

■ **When IP Address has been changed or forgotten – password: “admin”**

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 on the front panel for 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.



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## **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](http://www.planet.com.tw/en/support/faq.php?mt=menu_support_1)

Switch support team mail address :

[support\\_switch@planet.com.tw](mailto:support_switch@planet.com.tw)

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