

**8-Port VDSL2 + 2-Gigabit TP/SFP Managed Switch**

**VC-820M**

**24-Port VDSL2 + 2-Gigabit TP/SFP Managed Switch**

**VC-2400MR / VC-2400MR48**

**Quick Installation Guide**

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## 1. Package Content

Thank you for purchasing PLANET 8 / 24-Port VDSL2 + 2-Port Gigabit TP/SFP Combo Managed Switch, **VC-820M** and **VC-2400MR / VC-2400MR48**. Terms of “**VDSL2 Managed Switch**” means the switches mentioned titled in the cover page of this Quick Installation Guide.

Upon open the box of the VDSL2 Managed Switch and carefully unpack it. The box should contain the following items:

- The VDSL2 Managed Switch x 1
- This Quick Installation Guide x 1
- User's Manual CD x 1
- Power Cord x 1 (except VC-2400MR48)
- RS-232 DB9 Female Console Cable x 1
- Rubber Feet x 4
- Two Rack-mounting Brackets with Attachment Screws x 1
- 2 Meters Telco-50 Cable (VC-2400MR/VC-2400MR48 only)

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



### Note

VC-2400MR / VC-2400MR48 comes with one power system by default. The power slot 2 is vacant slot and can be installed with MC-RPS130 or MC-RPS48, please consult your local dealer for the order information.

## 2. Requirements

The VDSL2 Managed Switch provide remote Web interface for manage; the following equipments are 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 platform compatible with TCP/IP protocols.
- **Ethernet Port** connect
  - Network cables - use standard network (UTP) cables with RJ45 connectors.
  - Above Workstation installed with WEB Browser and JAVA runtime environment Plug-in
- Serial Port connect
  - Above PC with COM Port (DB9 / RS-232) or USB-to-RS-232 converter

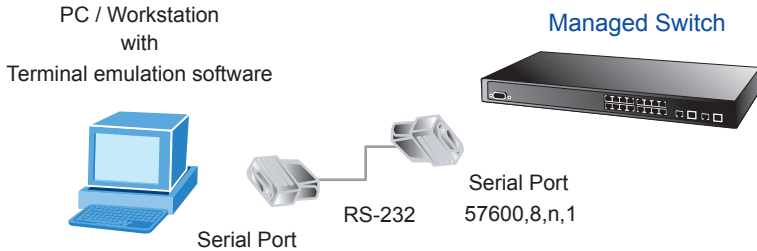


### Note

It is recommended to use Internet Explorer 6.0 or above to access the VDSL2 Managed Switch.

### 3. 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 VDSL2 Managed Switch. The console port of the VDSL2 Managed Switch is DCE already, so that you can connect the console port directly through PC without the need of Null Modem.

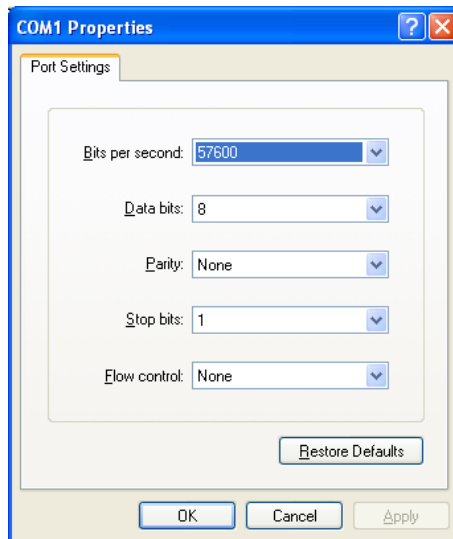


**Figure 3-1** Serial / Console connection

A terminal program is required to make the software connection to the VDSL2 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 : 57600**
- **Parity : None**
- **Data bits : 8**
- **Stop bits : 1**
- **Flow Control : None**



**Figure 3-2** Hyper Terminal Setting

## 4. Logon to the Console

Once the terminal has connected to the device, power on the VDSL2 Managed 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 password as following and the login screen in Figure 4-1 appears.

User Name: **admin**

Password: **admin**



Note

In the following sections, the console and Web screen are based on VC-820M, for VC-2400MR the display will be the same to VC-820M.

```
COM1 57600 - HyperTerminal
File Edit View Call Transfer Help
portid=9,loid=2.1.30,value=3f3338
MIB value has set.
>>interface xdsl set oid 9 2.1.32 400010
portid=9,loid=2.1.32,value=400010
MIB value has set.
>># Setup Profile
>>interface xdsl set initprofile
Init port1 use profile name:default
Init port2 use profile name:default
Init port3 use profile name:default
Init port4 use profile name:default
Init port5 use profile name:default
Init port6 use profile name:default
Init port7 use profile name:default
Init port8 use profile name:default

Username: admin
Password:
Switch#
```

Figure 4-1 VC-820M 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.

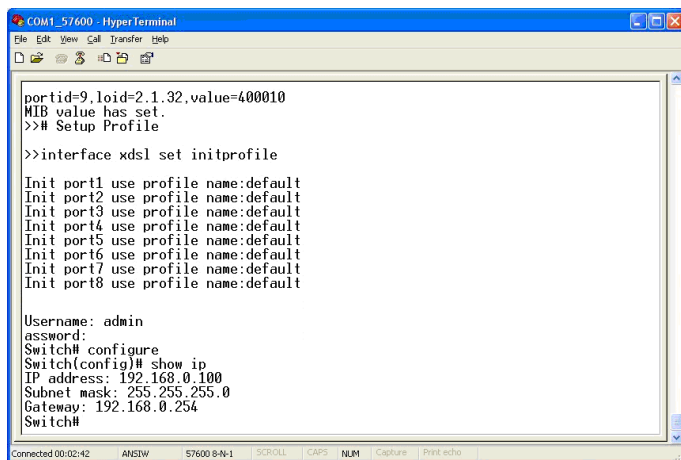
## 5. Configure IP address

The VDSL2 Managed 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 Switch, please use the procedures as follow:

- Show the current IP address
1. On "**Switch#**" prompt, enter "**configure**"
  2. On "**Switch(config)#**" prompt, enter "**show ip**"
  3. The screen displays the current IP address, Subnet Mask and Gateway. As show in Figure 5-1.



```
COM1_57600 - HyperTerminal  
File Edit View Call Transfer Help  
portid=9,loid=2.1.32,value=400010  
MIB value has set.  
>>H Setup Profile  
>>interface xdsl set initprofile  
Init port1 use profile name:default  
Init port2 use profile name:default  
Init port3 use profile name:default  
Init port4 use profile name:default  
Init port5 use profile name:default  
Init port6 use profile name:default  
Init port7 use profile name:default  
Init port8 use profile name:default  
  
Username: admin  
password:  
Switch# configure  
Switch(config)# show ip  
IP address: 192.168.0.100  
Subnet mask: 255.255.255.0  
Gateway: 192.168.0.254  
Switch#  
Connected 00:02:42 ANSER 57600 8-N-1 SCROLL CAPS NUM Capture Print Echo
```

Figure 5-1 Show IP information screen

### ■ Configure IP address and Default Gateway

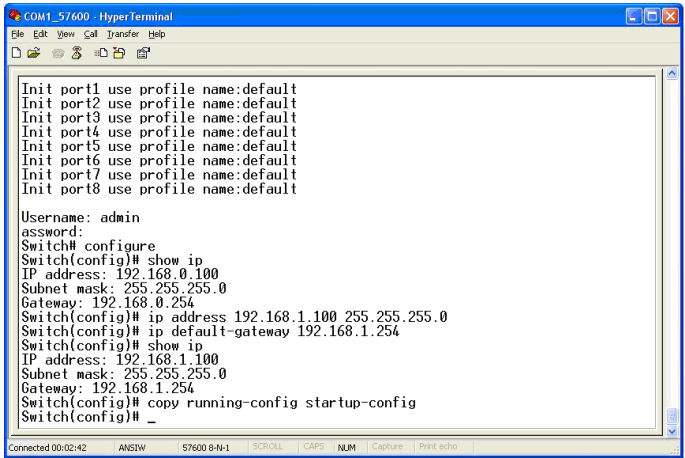
4. On "**Switch(config)#**" prompt, enter the following command and press **<Enter>**. As show in Figure 5-2.

```
Switch(config)# ip address 192.168.1.100 255.255.255.0  
Switch(Config)# ip default-gateway 192.168.1.254
```



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

**IP Address: 192.168.1.100**  
**Subnet Mask: 255.255.255.0**  
**Gateway: 192.168.1.254**



```
COM1_57600 - HyperTerminal
File Edit View Call Transfer Help
Init port1 use profile name:default
Init port2 use profile name:default
Init port3 use profile name:default
Init port4 use profile name:default
Init port5 use profile name:default
Init port6 use profile name:default
Init port7 use profile name:default
Init port8 use profile name:default

Username: admin
assword:
Switch# configure
Switch(config)# show ip
IP address: 192.168.0.100
Subnet mask: 255.255.255.0
Gateway: 192.168.0.254
Switch(config)# ip address 192.168.1.100 255.255.255.0
Switch(config)# ip default-gateway 192.168.1.254
Switch(config)# show ip
IP address: 192.168.1.100
Subnet mask: 255.255.255.0
Gateway: 192.168.1.254
Switch(config)# copy running-config startup-config
Switch(config)# _
```

Figure 5-2 Set IP address screen

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

### ■ Store current switch configuration

6. On “Switch(config)#” prompt, enter the following command and press <Enter>.

```
Switch(config)# copy running-config startup-config
```

If the IP address is successfully configured, the VDSL2 Managed Switch will apply the new IP address setting immediately. You can access the Web interface of the VDSL2 Managed Switch through the new IP address.



### Note

1. System will use previous setting if you did not copy the running-config to startup-config.
2. If you do not familiar with console command, enter “help” anytime in console to get the help description.

## 6. Start Web Management

The VDSL2 Managed Switch provides a built-in Web browser interface. You can manage it remotely by having a remote host with Web browser, such as Microsoft Internet Explorer, Netscape Navigator or Mozilla Firefox.

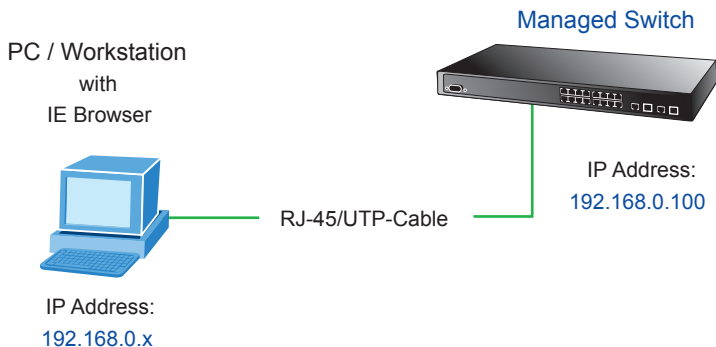


Figure 6-1 IP Management Diagram

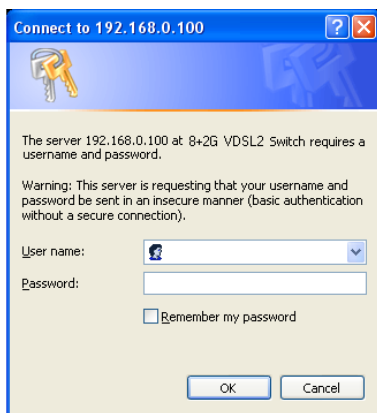
The following shows how to startup the **Web Management** of the VDSL2 Managed Switch, please note, the VDSL2 Managed Switch is configured through an Ethernet connection, make sure the manager PC must be set on the same **IP subnet address**.

For example, the default IP address of the VDSL2 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.

### Login the VDSL2 Managed Switch

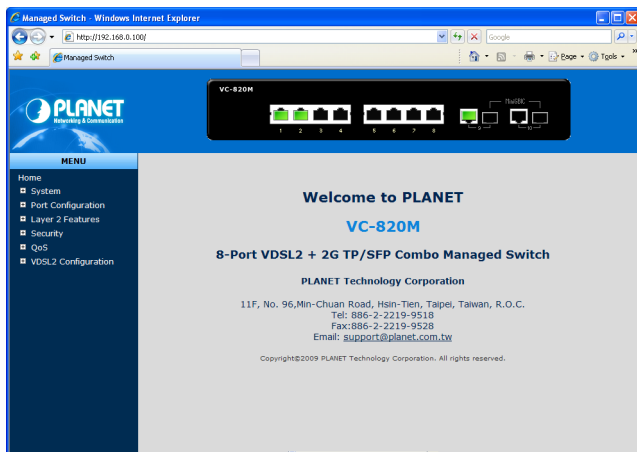
1. Use Internet Explorer 6.0 or above Web browser, enter IP address **http://192.168.0.100** (the factory-default IP address or that you have just changed in console) to access the Web interface.
2. When the following dialog box appears, please enter the default user name "**admin**" and password "**admin**". The login screen in Figure 6-2 appears.

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



**Figure 6-2** Web Login Screen of VC-820M

3. After entering the user name and password, the Web main screen appears as Figure 6-3.



**Figure 6-3** Web Main Screen of VC-820M

Now, you can use the Web management interface to continue the Switch management, please refer to the user manual for more.

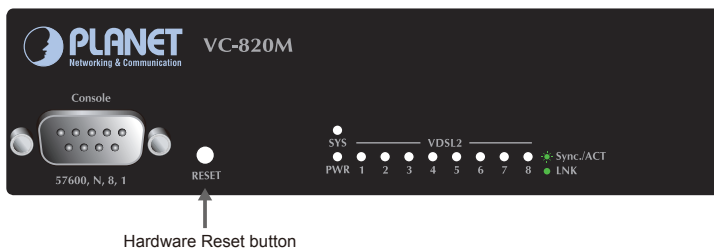


**Note**

For security reason, please change and memorize the new password after this first setup.

## 7. While IP Address be changed or forgotten admin password –

To reset the IP address to the default IP Address “**192.168.0.100**” and the user name / password to factory default mode (default user name and password are both **admin**). Press the hardware reset button at the front panel about 5 seconds. After the device is rebooted, you can login the management Web interface within the same subnet of 192.168.0.xx and default user name / password. Be noted, all the previous setup will disappeared after factory reset.



## 8. Customer Support

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?type=1>

Switch support team mail address :

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

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