Installation

NETGEAR ProSAFE Managed Switches
M5300

Set Up the Switch
Prepare the installation site so that mounting, access, power source and environmental requirements are met. For more information about these requirements, see the hardware installation guide on the resource CD.

To set up the switch:
1. Install the switch using one of the following methods:
   • On a flat surface. Put one of the rubber footpads that came with the switch on each of the four concave spaces on the bottom of the switch.
   • In a rack. Use the rack-mount kit supplied with your switch, following the installation instructions in the hardware installation guide.
2. Apply AC power.
The Power LED blinks yellow as it conducts a power-on-self-test (POST). After the switch passes the POST, the LED lights green. The switch is functional. If the LED does not light green, see the following troubleshooting tips:
   • If POST fails, the Power LED remains yellow. See the troubleshooting section of the hardware installation guide.
3. Connect devices to the switch. NETGEAR recommends using the following Ethernet cables and SFP modules:
   • Use Category 5e (Cat5e) for copper ports at 1000 Mbps.
   • Use NETGEAR AGM731F or AGM732F for fiber ports at 1000 Mbps.
   • Use NETGEAR AFM735 for fiber ports at 100 Mbps.
   • Use Category 6A (Cat6a) for copper ports at 1 Gbps.
   • Use NETGEAR AXM761, AXM762, or AXM763 for fiber ports at 10 Gbps.

Perform the Initial Configuration
You can manage your switch through its web management interface or by using the command-line interface (CLI) through a console port. This guide shows you how to configure your switch using the web management interface. It also covers using the CLI to determine a DHCP-assigned IP address or using ezconfig to assign a static IP address. For more information about CLI management, see the CLI reference manual and software administration guide on the resource CD.

To configure your switch using web management, use one of the following procedures, depending on how your Windows computer is set up:
1. Start a terminal emulation program (TEP):
   • Windows XP or earlier. Use HyperTerminal.
   • Windows Vista or later. Use a TEP from the Internet.
   • Macintosh. Use ZTerm.
   • UNIX. Use a terminal emulator such as TIP.
2. Select a console port using the console switch on the rear panel:
   • Mini USB port (cable included).
   • DB9 (cable not included).
3. Configure the TEP with the following settings (written below the connector on the switch front panel):
   • Baud rate. 115200 bps
   • Data bits. 8
   • Parity. none
   • Stop bit. 1
   • Flow control. none
4. At the user prompt, log in to the switch using the user name admin and press Enter.

Computer in DHCP Client Mode Without a DHCP Server
The switch assumes a default IP address of 169.254.100.100 and a subnet mask of 255.255.0.0. The switch is in the same subnet used by the computer NIC port when in DHCP-client mode without a DHCP server present. Use this IP value to log in to the switch.

Computer with a Static IP Address
When the computer is in this mode, the switch must also be assigned a static IP address. To assign a static IP address, connect a VT100/ANSI terminal or a workstation to one of the switch’s console ports. A cable for the mini USB port and a straight-through RJ–45 cable are supplied.

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4. At the user prompt, log in to the switch using the user name admin and press Enter.
5. At the password prompt, press Enter again (no password is needed for initial configuration).
6. At the next command prompt, type `ezconfig` and press Enter. The ezconfig utility is now running in the switch.
7. Set a static IP address and subnet mask using the ezconfig utility as shown in the following example.

   ```plaintext
   Make sure that the switch IP address is in the same subnet as the computer.
   8. Use the switch IP address returned by ezconfig to log in to the switch.
   For information about how to perform extensive CLI management, see both the CLI reference manual and the software administration guide.

   **Computer in DHCP Client Mode with DHCP Server**

   By default, the switch is configured as a DHCP client to obtain its IP address from a DHCP server in the connected network. You need to access the switch from the serial console port.

   - To configure the switch:
     1. Make sure that the switch is connected to a DHCP server.
     2. Find the switch IP address assigned by the DHCP server.
        a. Perform steps 1 through 3 of the procedure **Computer with a Static IP Address**.
        b. Type the `show ip interface vlan <management VLAN ID>` command, and press Enter.
        By default, the management VLAN ID is 1.
        The active switch IP address displays.
     3. Log in to the switch through its web management interface using this IP address.

   **Log in to the Switch from the Web**

   Manage your switch through its web interface with the appropriate IP address for your configuration.

   1. Type `http://<ipaddress>` into the URL field of your browser.
   The login screen displays.

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