




# NETGEAR FSM7326P 24-Port 10/100 Layer 3 Managed Switch Installation Guide

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# NETGEAR

## NETGEAR FSM7326P 24-Port 10/100 Layer 3 Managed Switch



### Start Here

Before you begin the installation of your switch, check the Package Contents listed in the Hardware Installation Guide that supports your switch (7300) on your Resource CD. If any item is missing or damaged, contact your place of purchase.

Other documentation available on your Resource CD for your switch are the 7000 Series Managed Switch

Administration Guide and a Command Line Interface Reference Manual for each switch series (7300). Follow these quick steps to install your switch. You can also consult the full Hardware Installation Guide on the Resource CD.

## Set Up the Switch

Prepare the site so that the mounting, access, power source, and environmental requirements are met. If you have any questions about these requirements, see the Hardware Installation Guide for your switch on your Resource CD.

### 1. INSTALL THE SWITCH USING ONE OF THE FOLLOWING METHODS

- a. **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.
- b. **In a Rack:** Use the rack-mount kit supplied with your switch, following the installation instructions included with the kit.

### 2. APPLY AC POWER

When you apply power, the power LED can display the following behavior:

- The power LED will blink yellow as it conducts a Power-On Self Test (POST). After the switch passes the POST, the LED turns green. The switch is now functional. If the POST fails, the Power LED will remain yellow (see “Troubleshooting” in the Hardware Installation Manual for assistance).
- If the power LED does not light, check that the power cable is plugged in correctly and that the power source is good. If this does not resolve the problem, see “Troubleshooting” in the Hardware Installation Guide on the Resource CD.

### 3. CONNECT DEVICES TO THE SWITCH

- Use Category 5 (Cat5) cable to connect between network ports at speeds of 100Mbps or less.
- Use Category 5e (Cat5e) for 1000Mbps networking speed.

Fiber SFP modules are shipped separately. If you need instructions on installing an SFP module, please refer to the Hardware Installation Guide on the Resource CD.

**Note:** In the room housing the switch, ensure that the ambient temperature does not exceed the specified operating temperature and that the environment is free of water condensation.

## Perform the Initial Configuration

This switch can be managed through its Web interface, or by using the Command Line Interface (CLI) through the serial console port. This guide describes the Web method. The CLI method is also described to determine a DHCP-assigned IP address or to use ezconfig to assign a static IP address. For Web management, follow one of the following three procedures, depending upon how your PC is set up.

- PC in DHCP client mode without DHCP server
- PC with static IP address
- PC in DHCP client mode with DHCP server

To perform extensive CLI management, see both the CLI Reference Manual for your switch and the 7000 Series Administration Guide.

### PC in DHCP Client Mode without DHCP Server

If no DHCP server is present, 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 a PC NIC port when in DHCP-client mode without a DHCP server present. Use this IP value to log into the switch (see “Web Login to the Switch”).

## PC with Static IP Address

When the PC is in this mode, the switch must also be assigned a static IP address. To assign a static IP Address, access the switch from the serial console port as follows:

### 1. CONNECT A CONSOLE TO THE SWITCH

Using the null-modem cable supplied with the switch, connect a VT100/ANSI terminal or a workstation to the switch port labeled Console.

### 2. START A TERMINAL EMULATION PROGRAM (TEP)

- a. Start a TEP using the appropriate method for your operating system:
  - Windows users can use HyperTerminal.
  - Windows Vista users should download a TEP from the Internet.
  - Macintosh users can use ZTerm.
  - UNIX users can use a terminal emulator such as TIP.
- b. Configure the TEP to use the following settings (they are written below the connector on the switch front panel):
  - **Baud rate:** 9,600 bps
  - **Data bits:** 8
  - **Parity:** none
  - **Stop bit:** 1
  - **Flow control:** none
- c. At the command prompt User: login to the switch using the user name admin, then press Enter. At the password prompt, press Enter again (no password is needed for initial configuration).
- d. At the next command prompt, type ezconfig and press Enter. The ezconfig utility is now running in the switch. Use it to set up your static IP address and subnet mask as shown in the following example. Make sure that the selected switch IP address is in the same subnet as that of the PCs.

```
User:admin
Password:
(FSM73288) >ezconfig

NETGEAR EZ Configuration Utility
-----
Hello and Welcome!
This utility will walk you thru assigning the IP address for the switch
management CPU. It will allow you to save the changes at the end. After
the session, simply use the newly assigned IP address to access the Web
GUI using any public domain Web browser.

Admin password not defined. Do you want to change the password? (Y/N/Q) n

The 'enable' password required for switch configuration via the command
line interface is currently not configured. Do you wish to change it (Y/N/Q)? n

Assigning an IP address to your switch management

Current IP Address Configuration
-----

IP Address Assignment Mode: DHCP
IP Address: 0.0.0.0
Subnet mask: 0.0.0.0

Would you like to assign an IP address now? (Y/D/N/Q/?)? y
IP Address: 10.10.10.1
Network mask: 255.255.255.0

Do you want to assign switch name and location information (Y/N/Q)? n
There are changes detected, do you wish to save the changes permanently (Y/N)? y

The configuration changes have been saved successfully.
Please enter 'show running-config' to see the final configuration.

Thanks for using EzConfig!
```

- e. Use this IP value to login to the switch (see “Web Login to the Switch”).

## PC 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 must access the switch from the serial console port.

1. **MAKE SURE THAT THE SWITCH IS CONNECTED TO A DHCP SERVER**
2. **FIND THE SWITCH IP ADDRESS ASSIGNED BY THE DHCP SERVER** After locating the switch IP address:

- a. Perform steps 1 through 3 of the procedure “PC with Static IP Address”.
- b. Type the show network command and press Enter. A screen will display that shows the active switch IP address.
- c. Use this IP address to login to the switch through its Web Management interface (see “Web Login to the Switch”).

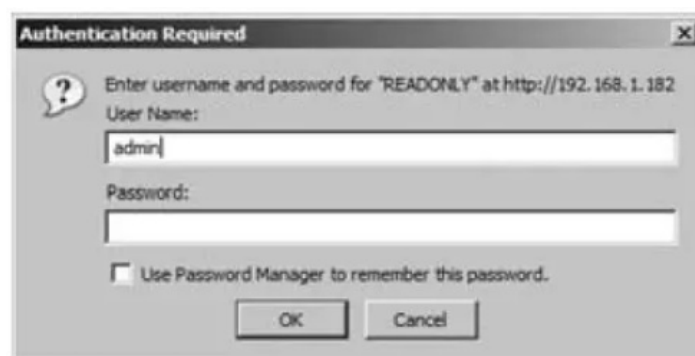
## Web Login to the Switch

Use the appropriate IP address for your configuration to manage your switch through its Web interface.

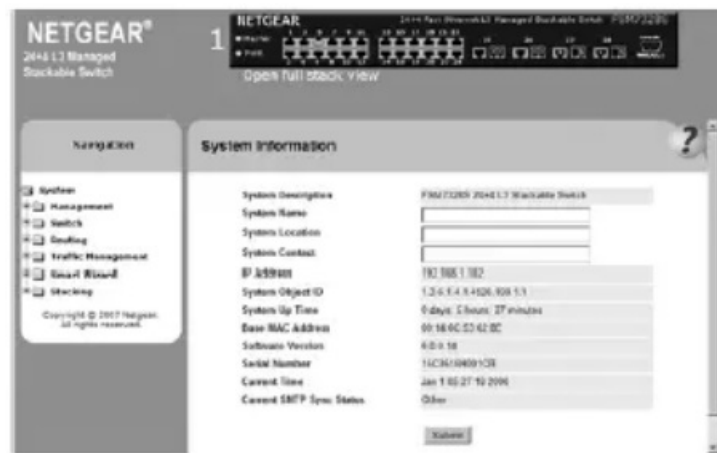
1. Type `http://<ipaddress>` into the URL window of your browser. A screen with the model number of your switch, similar to the following, will display.



2. Click LOGIN. The following screen will display



3. Type admin for the username and leave the password field blank.
4. Click OK. The Management screen will display. You can now navigate from this point to configure your switch.



## Customer Support

After completing setup and configuration, locate the serial number on the bottom label of the 7000 Series Managed Switch and use it to register your product at <http://www.netgear.com/register>. Registration on the website or over the phone is required before you can use our telephone support service. The phone numbers for worldwide regional customer support centers are on the Warranty and Support Information card that came with your product.

Go to <http://www.netgear.com/support> for product updates and web support.

## Disposal

This symbol was placed in accordance with the European Union Directive 2002/96 on the Waste Electrical and Electronic Equipment (the WEEE Directive). If disposed of within the European Union, this product should be treated and recycled in accordance with the laws of your jurisdiction implementing the WEEE Directive.

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## FAQ's

What is the NETGEAR FSM7326P 24-Port 10/100 Layer 3 Managed Switch?

The NETGEAR FSM7326P is a 24-port 10/100 Layer 3 Managed Switch designed for advanced network management and efficient data routing.

What are the key features of this managed switch?

The FSM7326P typically features advanced management options, Layer 3 routing capabilities, Power over Ethernet (PoE) support, and security features for network optimization.

What is the maximum data transfer speed per port on this switch?

Each port on the FSM7326P typically supports data transfer speeds of up to 10/100 Mbps, depending on the connected devices.

Does this switch support Power over Ethernet (PoE)?

Yes, the FSM7326P often includes PoE support, which allows it to provide power to compatible devices like IP cameras and phones over the Ethernet cable.

What is Layer 3 routing, and how is it beneficial?

Layer 3 routing enables the switch to make routing decisions based on IP addresses. It's beneficial for efficiently directing network traffic between different subnets or VLANs.

Can the FSM7326P switch be mounted in a rack for organized installation?

Yes, this switch often supports rack-mounting, making it suitable for organized and space-efficient installations in network racks or cabinets.

What are the security features included with this managed switch?

The FSM7326P may include security features like access control lists (ACLs), port security, and authentication protocols to safeguard the network.

What is the maximum power budget for PoE on the FSM7326P?

The maximum power budget for PoE can vary, and it depends on the specific model and configuration. Refer to the product documentation for power budget details.

Is the firmware of the FSM7326P switch upgradeable for future enhancements?

Yes, the firmware of this managed switch can often be upgraded to access new features, improvements, and security updates.

What management interfaces are available for configuring this switch?

The FSM7326P typically offers web-based management interfaces and may support command-line interfaces (CLI) for advanced configuration options.

What is the warranty coverage provided with the NETGEAR FSM7326P switch?

Warranty terms can vary, so it's advisable to check the specific warranty information provided by NETGEAR or the retailer when purchasing the switch.

Can this switch be used in a VoIP (Voice over IP) network?

Yes, the FSM7326P can often be used in VoIP networks, thanks to its Layer 3 capabilities and PoE support for VoIP phone connectivity.

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