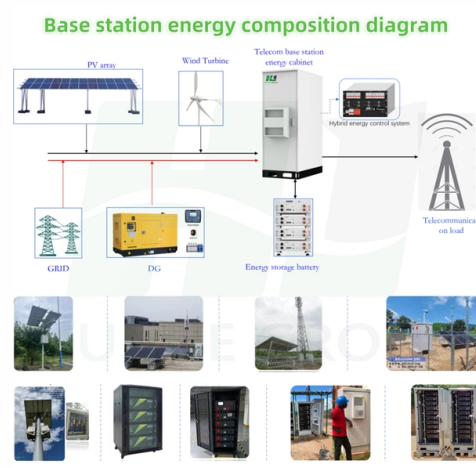


How to access the switch to connect to the internal network



AI Overview

You can access a network switch via the console port, web interface, Telnet, or SSH, depending on your setup and security requirements.

Access Methods

- 1. Console Port (Direct Connection)** The console port is a dedicated interface on the switch used for initial configuration and troubleshooting without relying on network connectivity.

Steps to access via console port: Connect your PC to the switch using an RJ45 to RS232 serial cable and, if needed, an RS232 to USB adapter. Install terminal emulation software such as PuTTY, SecureCRT, or HyperTerminal. Power on the switch and open the terminal software, selecting serial mode and the correct COM port. Typical settings: baud rate 9600 or 115200, 8 data bits, 1 stop bit, no parity. Enter the default credentials (usually admin/admin) to log in and access the CLI for configuration.
- 2. Web Interface (GUI Access)** Managed switches often provide a web-based GUI for easier configuration.

Ensure your PC is on the same network as the switch. Open a web browser and enter the switch's IP address (default often 192.168.0.1). Log in with the default username and password (admin/admin) and change the password for security. You can view the switch status, configure VLANs, assign IP addresses, and manage ports through the GUI.
- 3. Telnet (Remote CLI Access)** Telnet allows remote access over the network but is less secure because it transmits data in plain text.

Ensure the switch and PC are on the same LAN or VPN. Open a command prompt and type telnet. Enter the login credentials to access the CLI. Use Telnet only in trusted networks.
- 4. SSH (Secure Remote CLI Access)** SSH is recommended for remote access over potentially insecure networks.

Enable SSH on the switch and configure user credentials. Use an SSH client (e.g., PuTTY) to connect: `ssh admin@.` SSH encrypts all communication, making it safer than Telnet....

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Accessing the Switch

2) Click to save the settings. 3) Check the routing table to verify the default gateway you configured. The entry marked in red box displays the valid default gateway.
Figure 2-10 View the Default Gateway 3

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