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Cisco CBS220-16P-2G



Cisco Business: The Network of Possibilities

Cisco Business CBS220-16P-2G Smart Switch

Instruction Manual

INTRODUCTION

The Cisco Business CBS220-16P-2G Smart Switch is designed to provide simple, affordable, and secure business-class networking. This switch features 16 Gigabit Ethernet ports with Power over Ethernet Plus (PoE+) capabilities and 2x1G SFP uplinks, making it ideal for small to medium-sized businesses requiring robust network connectivity and power delivery for devices like IP cameras, VoIP phones, and wireless access points.



Figure 1: Front view of the Cisco Business CBS220-16P-2G Smart Switch.

SETUP

Unboxing and Package Contents

Upon opening the package, ensure all components are present:

- Cisco Business CBS220-16P-2G Smart Switch
- Power cord or adapter
- Mounting hardware (for desktop or rack installation)
- Quick Start Guide

For a visual guide on unboxing and initial setup, please refer to the video below:

Video: Unboxing and initial setup of the Cisco Business 220 Series Switches. This video demonstrates the physical components and basic connections.

Physical Installation

The switch can be installed on a desktop or mounted in a rack. Use the provided mounting hardware as needed. Its elegant and compact design makes it suitable for various environments, including retail stores, open-plan offices, and classrooms.

Connecting the Switch

1. **Power Connection:** Connect the power cord or adapter to the switch and a power outlet. The power LED will illuminate.
2. **Network Uplink:** Connect one of the Gigabit Ethernet ports (or SFP ports with appropriate transceivers) to your router or existing network infrastructure using an Ethernet cable.
3. **Device Connections:** Connect your network devices (e.g., computers, IP cameras, VoIP phones, wireless access points) to the remaining Ethernet ports. The switch supports Power over Ethernet (PoE) on all 16 ports, providing power and data over a single cable for compatible devices.

Initial Configuration

The Cisco Business CBS220-16P-2G is a smart switch, offering an intuitive on-box user interface (UI) and mobile app support for simplified network operations. Refer to the Quick Start Guide for detailed instructions on accessing the UI or mobile app for initial configuration and management.

OPERATING THE SWITCH

The switch operates as a plug-and-play device for basic connectivity. For advanced features and network management, utilize the Cisco Business Dashboard or the mobile application.

Power over Ethernet (PoE) Functionality

The switch provides 16 PoE+ ports with a total power budget of 130W. This allows you to power compatible devices directly through the Ethernet cable, simplifying deployment and reducing cable clutter.

Network Management with Cisco Business Dashboard

The Cisco Business Dashboard and mobile app simplify network operations and automate lifecycle management. You can monitor network status, resolve issues, and manage devices centrally. This includes zero-touch deployment

for new devices and access to essential network information.

Video: Overview of Cisco Business Switches and Wireless solutions. This video highlights the benefits of using Cisco Business products for network management.

MAINTENANCE

To ensure optimal performance and longevity of your Cisco Business CBS220-16P-2G Smart Switch, consider the following:

- **Energy Efficiency:** The switch optimizes power usage to lower operational costs and is compliant with IEEE802.3az Energy Efficient Ethernet.
- **Firmware Updates:** Regularly check for and apply firmware updates through the Cisco Business Dashboard or web UI to ensure your device has the latest features and security enhancements.
- **Physical Environment:** Ensure the switch is placed in a well-ventilated area to prevent overheating. Keep the device free from dust and debris.

TROUBLESHOOTING

If you encounter issues with your switch, consider these basic troubleshooting steps:

- **Power Check:** Verify that the power cord is securely connected and the power LED on the switch is illuminated.
- **Cable Connections:** Ensure all Ethernet and SFP cables are securely plugged into their respective ports on both the switch and connected devices.
- **LED Indicators:** Observe the port LEDs. Green indicates a Gigabit connection, while amber typically indicates a 10/100 Mbps connection. Blinking LEDs indicate activity. If a port LED is off, check the cable and the connected device.
- **Network Connectivity:** If a specific device is not connecting, try connecting it to a different port or using a different cable.
- **Reset:** As a last resort for persistent issues, you may perform a factory reset. Refer to the Quick Start Guide or online documentation for instructions, as this will erase all custom configurations.

SPECIFICATIONS

| Feature | Detail |
|---------------------------|---|
| Model Number | CBS220-16P-2G-NA |
| Switch Ports | 16x 10/100/1000 Gigabit Ethernet, 2x 1G SFP |
| Power-over-Ethernet (PoE) | 16 PoE+ ports, 130W total power budget |

| Feature | Detail |
|---------------------|---|
| Data Transfer Rate | 1000 Megabits Per Second |
| Case Material | Metal |
| Product Dimensions | 17.32 x 7.97 x 1.73 inches |
| Item Weight | 6.68 pounds |
| Included Components | Switch, Power cord or adapter, Mounting hardware, Quick Start Guide |
| UPC | 889728344401 |

WARRANTY

The Cisco Business CBS220-16P-2G Smart Switch comes with a **3-year limited hardware warranty**. This includes return-to-factory replacement. Additionally, one-year technical support is provided to assist with any operational queries or issues.

SUPPORT

For further assistance, technical support, or to access detailed documentation, please visit the official Cisco support website. You can also utilize the Cisco Business Dashboard and mobile app for troubleshooting and managing your network devices.