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› Cisco Catalyst 1200-24P-4G Smart Switch User Manual

Cisco C1200-24P-4G

Cisco Catalyst 1200-24P-4G Smart Switch User Manual

Model: C1200-24P-4G

PRODUCT OVERVIEW

The Cisco Catalyst 1200-24P-4G switch is designed to provide powerful network performance, security, and reliability for small business networks. It integrates advanced features to ensure a robust and efficient network infrastructure.

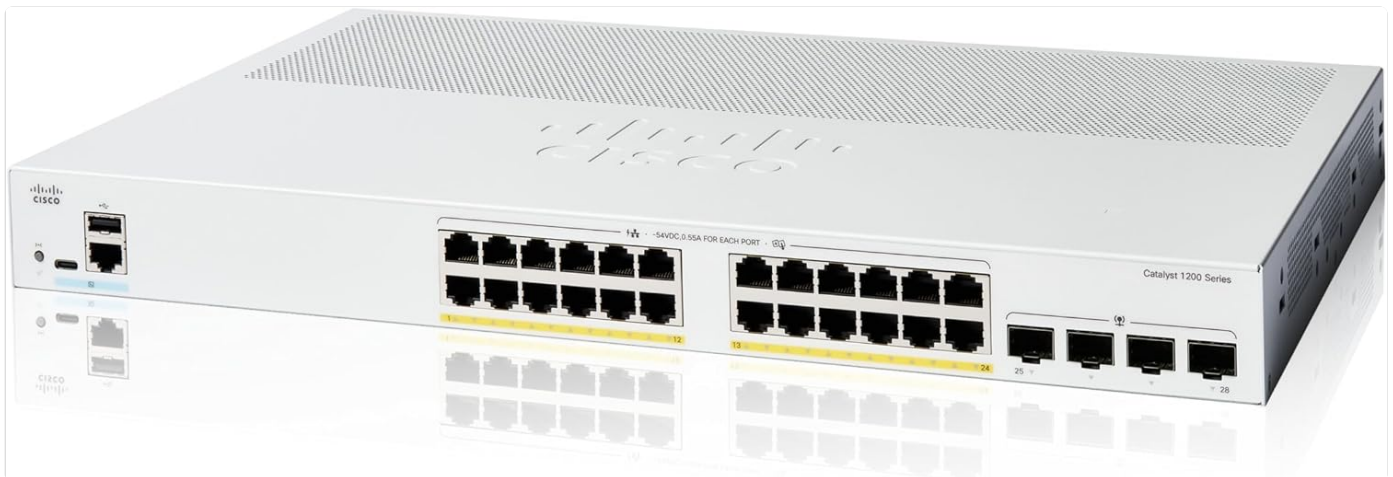


Figure 1: Front view of the Cisco Catalyst 1200-24P-4G Smart Switch, showing 24 Gigabit Ethernet ports and 4 SFP uplink ports.

PACKAGE CONTENTS

Verify that all components are present in the package:

- Cisco Catalyst 1200-24P-4G Smart Switch
- Power cord or adapter
- USB Type C cable
- Mounting hardware (rack-mount ears and screws)

SETUP AND INSTALLATION

Follow these steps to set up your Cisco Catalyst 1200-24P-4G Smart Switch:

1. **Physical Placement:** Choose a stable, level surface or a standard 19-inch equipment rack for installation. Ensure

adequate ventilation around the switch to prevent overheating. Maintain a minimum of 5 cm (2 inches) of clearance on all sides.

2. **Power Connection:** Connect the provided power cord to the switch's power input and then to a grounded electrical outlet.

3. **Network Connections:**

- Connect your network devices (computers, servers, access points, IP phones) to the 24 Gigabit Ethernet ports using standard Ethernet cables.
- Utilize the 4x 1GE SFP uplink ports for high-speed connections to other network devices like routers or core switches, using appropriate SFP transceivers and fiber optic cables.

4. **Initial Configuration:**

The switch can be configured via the intuitive Cisco Business mobile app, a local web interface, or Cisco Business Dashboard. For initial setup, connect a computer directly to one of the switch's Ethernet ports.

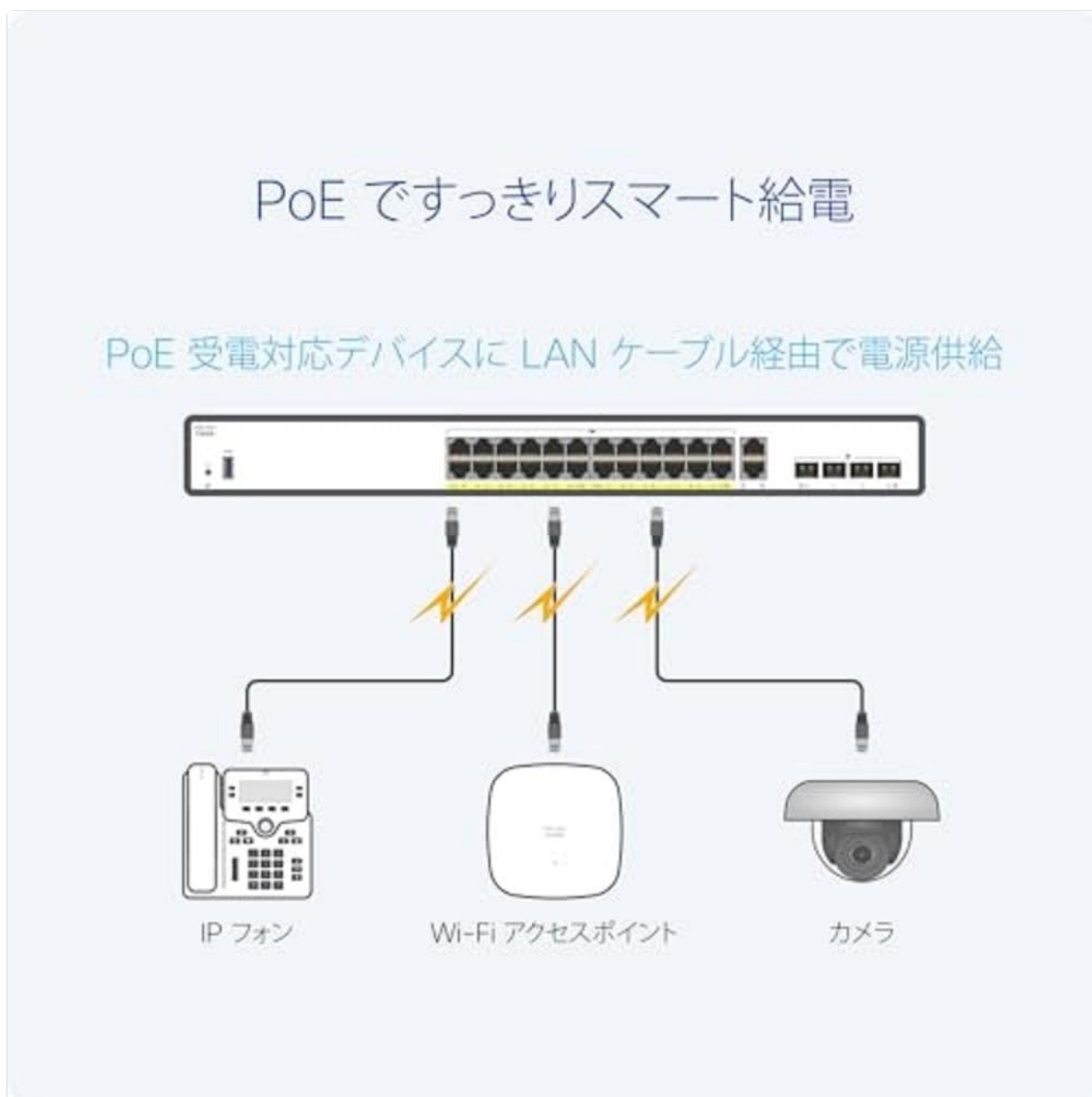


Figure 2: Illustration of Power over Ethernet (PoE) capability, demonstrating how the switch can supply power to compatible devices like IP phones, Wi-Fi access points, and cameras directly through the LAN cable.

Refer to the Cisco Business mobile app or the local web interface guide for detailed step-by-step instructions on

network installation and configuration. No IT expertise is required for basic setup.

OPERATING THE SWITCH

The Cisco Catalyst 1200-24P-4G Smart Switch operates automatically once powered on and configured. Key operational aspects include:

- **Power over Ethernet (PoE+):** The switch provides PoE+ power on its ports, with a total budget of 195W, allowing connected PoE-compatible devices to receive both data and power over a single Ethernet cable.
- **Network Performance:** Supports 10/100/1000 Gigabit Ethernet speeds across all 24 ports, ensuring high-speed data transfer for connected devices. The 4x 1GE SFP ports provide flexible uplink options.
- **Management:** Manage and monitor the switch using the Cisco Business mobile app, the local web user interface, or the Cisco Business Dashboard. These interfaces provide access to network settings, port status, and security configurations.
- **Energy Efficiency:** The switch is compliant with IEEE 802.3az Energy Efficient Ethernet, optimizing power usage to reduce operational costs. Select models feature a fanless design for quiet operation.

MAINTENANCE

Regular maintenance helps ensure optimal performance and longevity of your switch:

- **Firmware Updates:** Periodically check the Cisco support website for new firmware versions. Updating the firmware can provide new features, performance improvements, and security patches.
- **Cleaning:** Keep the switch and its ventilation openings free from dust and debris. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or aerosols.
- **Environmental Conditions:** Ensure the switch operates within its specified temperature range (up to 40 degrees Celsius) and humidity levels. Avoid placing it in direct sunlight or near heat sources.
- **Cable Management:** Ensure all network and power cables are neatly organized and securely connected to prevent accidental disconnections or damage.

TROUBLESHOOTING

If you encounter issues with your Cisco Catalyst 1200-24P-4G Smart Switch, consider the following troubleshooting steps:

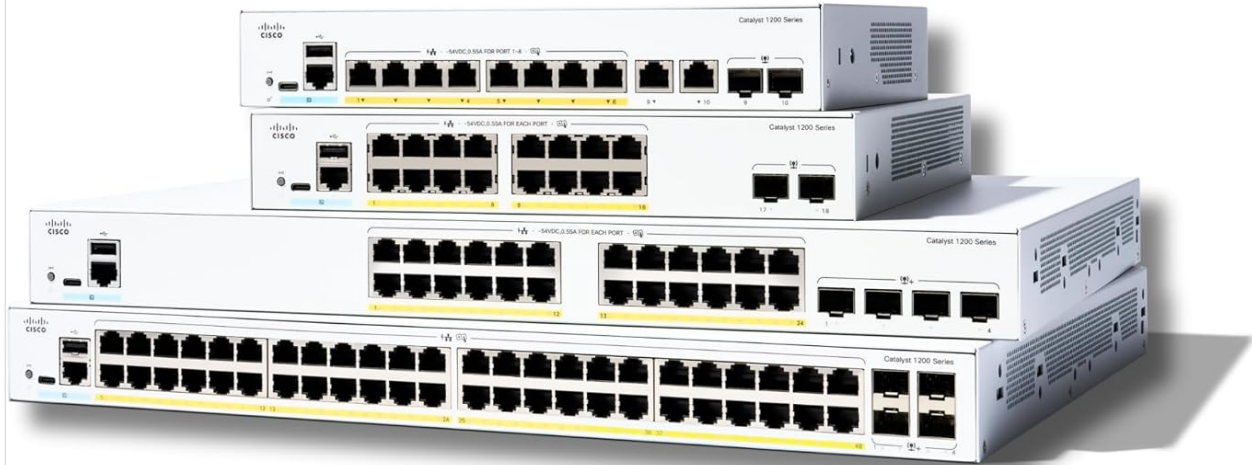
Problem	Possible Cause	Solution
No power/LEDs off	Power cord disconnected, power outlet issue	Verify power cord connection, try a different power outlet, check power source.
Device not connecting to network	Incorrect cable, faulty port, incorrect network settings	Ensure correct Ethernet cable type (Cat5e/6), try a different port, check device's network settings.
PoE device not powering on	Device not PoE compatible, insufficient power budget, faulty cable	Confirm device PoE compatibility, check switch's PoE power budget, try a different Ethernet cable.
Slow network performance	Network congestion, duplex mismatch, cable issues	Check network traffic, ensure duplex settings match, inspect cables for damage.
Cannot access web interface	Incorrect IP address, network connectivity issue	Verify switch's IP address, ensure computer is on the same subnet, check physical connection.

If issues persist, consult the comprehensive documentation available on the Cisco support website or contact Cisco technical support.

SPECIFICATIONS

Feature	Detail
Model Number	C1200-24P-4G
Switch Type	Network Switch
Ports	24 x 10/100/1000 Gigabit Ethernet, 4 x 1GE SFP Uplink
PoE Power Budget	195W (PoE, PoE+)
Data Transfer Rate	1000 Megabits Per Second
Product Dimensions (LxWxH)	17.5" x 11.76" x 1.73" (44.45 cm x 29.87 cm x 4.39 cm)
Item Weight	10.47 pounds (4.76 Kilograms)
Operating System	Standard (No Operating System)
Upper Temperature Rating	40 Degrees Celsius
Included Components	Switch, power cord or adapter, USB Type C cable, mounting hardware

Cisco Catalyst 1200 Series Smart Switches



- 8, 16, 24 and 48 Gigabit network ports, 1G or 10G fiber uplinks
- PoE+ support upto 375W
- Mobile App and Cisco Business Dashboard support
- Built-in security
- No subscription or licenses



Figure 3: Various models within the Cisco Catalyst 1200 Series, highlighting the range of port counts and form factors available.

Features	CISCO Catalyst 1200 Series Smart Switches	CISCO Catalyst 1300 Series Managed Switches
Business Size	Small Medium Business	Small Medium Business & Branch Office
Speed	1G with optional 10G uplinks	1G/mGig with optional 10G uplinks
Number of Ports	8 to 48	8 to 48
Layer 3 Capability	L3 Static	L3 Static+RIP
Power over Ethernet	PoE+ up to 375W on select models	PoE+ up to 740W on select models
Web UI Management	✓	✓
Cisco Business Dashboard Cisco PnP Zero Touch Deployment	✓	✓
Network Control (VLAN, QoS) and Security (ACL, 802.1x, DoS Prevention)	✓	✓
Advanced Security	—	✓
Auto Surveillance VLAN (for IP cameras)	✓	✓
Stacking	—	Up to 8 units (10G uplink models)
Warranty	Limited Lifetime with Return to Factory Replacement	Limited Lifetime with Return to Factory Replacement



Figure 4: Feature comparison between Cisco Catalyst 1200 Series Smart Switches and Catalyst 1300 Series Managed Switches, detailing differences in business size suitability, speed, port count, PoE capabilities, management options, and security features.

WARRANTY AND SUPPORT

The Cisco Catalyst 1200-24P-4G Smart Switch comes with a **limited lifetime hardware warranty**. This warranty covers defects in materials and workmanship under normal use.

Additionally, Cisco provides **complimentary 1-year technical support**. For technical assistance, troubleshooting, or warranty claims, please visit the official Cisco support website or contact their customer service. No subscription or

licenses are required for basic use and warranty coverage.
For more information, visit the [Cisco Support Website](#).

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question