

— CISCO CATALYST 1300 SERIES SWITCH

Cisco C1300-48FP-4G Switch

48-Port 740W PoE+ Managed Switch

The Cisco C1300-48FP-4G is a business-class managed Gigabit Ethernet switch from the Cisco Catalyst 1300 Series, featuring 48 PoE+ ports, a 740W PoE power budget, and 4 Gigabit SFP uplinks. It is designed for enterprise, SMB, surveillance, wireless, IP phone, and other network deployments that require reliable connectivity and centralized Layer 2 management.

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48

Gigabit PoE+ Ports

740W

PoE Power Budget

104G

Switching Capacity

4× SFP

Gigabit SFP Uplinks

01 / PRODUCT OVERVIEW

Cisco C1300-48FP-4G Switch Overview

The **Cisco C1300-48FP-4G** is a 48-port managed Gigabit Ethernet switch in the Cisco Catalyst 1300 Series. It provides 48 x 10/100/1000 Ethernet ports with PoE+ support and four Gigabit SFP ports for fiber-based uplinks. Cisco specifies a total PoE power budget of 740W for this model, making it suitable for deployments with a high number of powered endpoints.

The switch is designed for business and enterprise network environments where users may need to connect computers, access points, IP phones, surveillance devices, IoT endpoints, and other Ethernet equipment through a centralized managed platform. Its Gigabit access ports and dedicated SFP uplinks provide a practical combination of copper connectivity and fiber network expansion.

The C1300-48FP-4G also provides Layer 2 networking capabilities and management functions intended for structured business networks. Cisco identifies the model as rack-mountable and specifies wire-speed, nonblocking switching performance.

02 / KEY FEATURES

Key Features and Business Benefits

48**48 Gigabit PoE+ Ports**

Provides 48 x 10/100/1000 Ethernet ports with PoE+ support for connecting network devices and compatible powered endpoints.

740W**High PoE Power Budget**

A 740W total PoE power budget supports deployments with multiple PoE-powered

devices such as access points, IP phones and cameras.

SFP

4 Gigabit SFP Uplinks

Four Gigabit SFP interfaces provide options for fiber uplinks and network aggregation depending on the installed transceiver and network design.

104G

104 Gbps Switching Capacity

Cisco specifies a 104 Gbps switching capacity and 77.38 Mpps forwarding rate for the C1300-48FP-4G.

L2

Layer 2 Management

The Catalyst 1300 platform provides Layer 2 switching capabilities for VLAN-based segmentation, traffic management and structured business networks.

19"

Rack-Mountable Design

The C1300-48FP-4G is designed for rack-mounted network deployments where centralized installation and cable management are required.

03 / PERFORMANCE

Cisco C1300-48FP-4G Network Performance

The Cisco C1300-48FP-4G delivers wire-speed, nonblocking switching performance. Cisco lists the model with a **104 Gbps switching capacity** and a **77.38 Mpps forwarding rate** based on 64-byte packets.

The combination of 48 Gigabit Ethernet access ports and four Gigabit SFP interfaces provides a flexible architecture for business networks where both copper endpoints and fiber uplinks are required.

The switch can be deployed as an access-layer device for office networks, IP telephony, wireless infrastructure, video surveillance, and other Ethernet-connected systems.

04 / POWER OVER ETHERNET

740W PoE+ Power Budget

One of the key characteristics of the C1300-48FP-4G is its **740W PoE power budget**. Cisco specifies 802.3at PoE+, 802.3af PoE, and Cisco pre-standard legacy PoE support for applicable Catalyst 1300 models, with the C1300-48FP-4G providing 740W across 48 PoE-capable ports.

This power capacity can help simplify installations by allowing supported devices to receive both network connectivity and electrical power through Ethernet cabling, subject to the device's PoE requirements and the available switch power budget.

Typical deployments may include wireless access points, VoIP phones, IP cameras, access-control devices, and other compatible PoE endpoints.

PoE Planning Note: Actual PoE consumption depends on the connected devices and their power requirements. The 740W figure represents the switch's specified total PoE power budget and should not be interpreted as 740W available to every port simultaneously.

05 / UPLINKS

4 × Gigabit SFP Uplink Ports

The Cisco C1300-48FP-4G includes four Gigabit SFP interfaces in addition to its 48 Gigabit Ethernet access ports. These SFP ports can be used with compatible Cisco-supported optical or copper SFP transceivers depending on the required uplink architecture.

Gigabit SFP connectivity can be useful when connecting the switch to another network switch, aggregation device, server infrastructure, or fiber distribution environment.

06 / LAYER 2 NETWORKING

Layer 2 Switching and Network Management

The Catalyst 1300 Series is designed to provide managed Layer 2 switching for business networks. Cisco documents support for standard Spanning Tree Protocol, Rapid Spanning Tree Protocol and Multiple Spanning Tree Protocol, together with additional VLAN and network-management capabilities.

The platform also supports features such as LLDP/LLDP-MED and Cisco Discovery Protocol, helping network administrators identify connected infrastructure and endpoints within supported deployments.

The C1300-48FP-4G can therefore be integrated into structured LAN architectures where VLAN segmentation, managed switching, PoE delivery and centralized network administration are

required.

Cisco C1300-48FP-4G Technical Specifications

Manufacturer	Cisco
Model	C1300-48FP-4G
Product Family	Cisco Catalyst 1300 Series
Product Type	Managed Gigabit Ethernet PoE+ Switch
Switching Layer	Layer 2 Managed Switching
Ethernet Ports	48 × 10/100/1000 Gigabit Ethernet PoE+ ports
PoE Standard	802.3af PoE, 802.3at PoE+
Maximum PoE Power per Port	Up to 30W per PoE+ port, subject to device and switch conditions
Total PoE Power Budget	740W
Uplink Ports	4 × Gigabit SFP
Total Gigabit Interfaces	52 Gigabit Ethernet interfaces including 4 SFP uplinks
Switching Capacity	104 Gbps
Forwarding Rate	77.38 Mpps at 64-byte packets
Switching Architecture	Wire-speed, nonblocking

MAC Address Table	16,000 addresses for 1 Gigabit Ethernet Catalyst 1300 SKUs
Jumbo Frames	Up to 9000 bytes
Spanning Tree	STP, RSTP, MSTP, PVST+ and Rapid PVST+
Discovery	CDP, LLDP and LLDP-MED
Form Factor	Rack-mountable
Device Weight	6.48 kg / 14.28 lb
Package Weight	Approximately 6.74 kg / 14.85 lb
Package Dimensions	Approximately 57.15 × 47.75 × 9.65 cm
Package Dimensions	Approximately 22.5 × 18.8 × 3.8 inches

Packaging Note: Package weight and box dimensions are retailer/shipping measurements and may vary slightly depending on packaging configuration. Cisco's official documentation specifies the device weight separately. Use the packaging figures above primarily for shipping and logistics calculations.

08 / COMPATIBILITY

Cisco C1300-48FP-4G Compatibility and Deployment

The C1300-48FP-4G is intended for managed business Ethernet networks and can be deployed as an access-layer switch in offices, branch networks, wireless environments, surveillance installations, VoIP deployments and other structured LAN environments.

Organizations evaluating Cisco access switches can also compare related Catalyst models such as the [Cisco Catalyst C9200-24P-E](#) , [Cisco Catalyst C9300-24P-A](#) , and [Cisco Catalyst C9500-24Y4C-A](#) , depending on the required network architecture and port capabilities.

For additional Cisco Catalyst 1300 options, NexoGet also offers products such as the [Cisco C1300-24P-4G](#) and [Cisco C1300-24T-4G](#) .

09 / USE CASES

Recommended Business Use Cases

The Cisco C1300-48FP-4G can be used in a wide range of business network environments where multiple Gigabit Ethernet endpoints and PoE-powered devices need to be connected through a managed switch.

AP

Wireless Access Points

Connect compatible PoE wireless access points while providing Gigabit Ethernet connectivity through a centralized switch.

IP

IP Telephony

Provide network connectivity and PoE power for compatible business IP phones and VoIP endpoints.

CAM

IP Surveillance

Support compatible PoE network cameras and surveillance endpoints through the switch's high-capacity PoE budget.

LAN

Business LAN

Build a managed Gigabit access layer for offices, departments, branches and other business network environments.

IoT

IoT Deployments

Connect supported Ethernet and PoE IoT devices using centralized switching and network management.

FIB

Fiber Uplinks

Use the four Gigabit SFP interfaces for compatible fiber-based uplinks and network aggregation.

10 / RELATED PRODUCTS

Related Cisco Switches and Networking Products

Buyers comparing Cisco business switches can review additional Catalyst 1300 models available through NexoGet, including the [Cisco C1300-8T-E-2G](#) , [Cisco C1300-8P-E-2G](#) , [Cisco C1300-8FP-2G](#) , and [Cisco C1300-16T-2G](#) .

Other Catalyst 1300 options include the [Cisco C1300-16P-2G](#) , [Cisco C1300-16FP-2G](#) , [Cisco C1300-24FP-4G](#) , and [Cisco C1300-48T-4G](#) .

For a broader range of Cisco access switching products, visit the [NexoGet Cisco Switch catalog](#) .

11 / CISCO NETWORKING GUIDE

What Is a Cisco Switch?

A Cisco switch is a network device used to connect Ethernet endpoints within a local area network. Managed Cisco switches provide additional capabilities for controlling, segmenting and monitoring network traffic.

To learn more about the fundamentals of Cisco switching, read the [NexoGet guide to Cisco switches](#) .

12 / FINAL SUMMARY

Cisco C1300-48FP-4G Summary

The **Cisco C1300-48FP-4G** combines 48 Gigabit PoE+ access ports, four Gigabit SFP uplinks, a 740W PoE power budget, 104 Gbps switching capacity and a 77.38 Mpps forwarding rate in a rack-mountable managed switch platform.

Its port density and PoE capacity make it suitable for business networks that need to connect a large number of Ethernet and powered endpoints. The four Gigabit SFP interfaces additionally provide flexibility for fiber-based uplinks and network expansion.

Before ordering, confirm the required PoE budget, SFP transceiver compatibility, network architecture, regional power configuration, product condition, warranty requirements and shipping destination.

To explore additional Cisco networking products, visit the [NexoGet product catalog](#) or contact the NexoGet team through the [NexoGet contact page](#) for pricing, availability, shipping and enterprise IT hardware quotations.



Need Pricing or Availability for C1300-48FP-4G?

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