

— CISCO CATALYST 1200 SERIES

Cisco Catalyst C1200-48P-4X Smart Managed Switch

Upgrade your corporate or campus network infrastructure with the **Cisco Catalyst C1200-48P-4X**, a high-density 48-port gigabit smart managed switch engineered with robust PoE+ power delivery (375W budget) and ultra-fast 10G SFP+ optical uplinks for seamless core aggregation and enterprise connectivity.

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48 Ports

375W

Gigabit Downlinks w/ PoE+

Total PoE Power Budget

4 x 10G

High-Speed SFP+ Uplink Slots

176 Gbps

Total Switching Capacity

COMPREHENSIVE OVERVIEW

Advanced Performance & Smart Management for Modern Networks

In-depth architectural analysis and deployment capabilities of the Cisco Catalyst C1200-48P-4X platform.

The **Cisco Catalyst C1200-48P-4X** represents the next generation of affordable, fixed, and secure smart managed switches designed specifically to meet the rigorous demands of small-to-medium-sized business (SMB) networks and enterprise branch locations. Combining high-performance Layer 2 switching capabilities with static Layer 3 routing features, this robust 48-port platform delivers exceptional reliability without the complexity of fully enterprise-licensed hardware. Organizations seeking scalable architectures frequently deploy this switch alongside enterprise core platforms like the [Cisco C9200-24P-E switch](#) or alternative high-density data models such as the [C9200-48T-E gigabit switch](#) to establish seamless multi-tier connectivity.

Designed to run on a customized, secure Linux-based operating system, the C1200 series provides intuitive management options ranging from an on-box web UI to the centralized Cisco Business Dashboard. For heterogeneous enterprise environments or secondary wiring closets, network administrators can also balance edge traffic by integrating compact routing hardware such as the [MikroTik hAP ax lite](#) or the high-throughput [MikroTik hAP ax2 wireless router](#).

Power over Ethernet (PoE+) & Endpoint Integration

A primary challenge in modern smart offices is powering an escalating number of edge endpoints—such as IP surveillance cameras, wireless access points, and VoIP hardware—without cluttering workspaces with external power bricks. The C1200-48P-4X addresses this directly by featuring 48 gigabit Ethernet downlink ports supporting IEEE 802.3af/at PoE+, backed by a generous 375W total power

budget. This configuration supplies up to 30W of clean power per port, making it an ideal core distributor for enterprise IP hardware.

To support high-density deployments relying on unified communications, this switch seamlessly integrates with standard desktop and executive communication endpoints, including the reliable [Cisco CP-7841-K9 IP phone](#), the feature-rich [Cisco CP-8851-K9 IP phone](#), and enterprise-grade collaborative units like the [Cisco CP-8861-K9 IP phone](#). Furthermore, for locations requiring smaller port configurations within the exact same product family, network planners often evaluate alternative options like the compact [C1200-8T-E-2G smart switch](#).

POE

375W Power Budget

Delivers up to 30W per port across 48 gigabit PoE+ ports for extensive device powering.

10G

10G SFP+ Uplinks

Four dedicated high-speed optical slots eliminate core network bottlenecks.

SEC

Enterprise Security

Built-in IEEE 802.1X, ACLs, and port security protect critical enterprise traffic.

01 / TECHNICAL SPECIFICATIONS

Cisco Catalyst C1200-48P-4X Detailed Specifications

Complete technical metrics, hardware properties, and physical parameters.

Product Model & Series	Cisco Catalyst C1200-48P-4X (Catalyst 1200 Series)
Downlink Ports	48 x 10/100/1000 Mbps Gigabit Ethernet with PoE+ support

Uplink Interfaces	4 x fixed 10G SFP+ high-speed optical slots
PoE Power Budget	375W total power budget (up to 30W per port)
Switching Capacity & Performance	176 Gbps switching capacity; 130.94 Mpps forwarding rate
Memory & Processing Architecture	Dual-core ARM 1.4 GHz processor, 1 GB DDR4 RAM, 512 MB Flash
Layer Features	Layer 2 switching, Layer 3 static routing (up to 32 static routes)
Unit Physical Dimensions	4.4 × 44.5 × 35.0 cm (1.73 × 17.5 × 13.78 in)
Device Weight (Without Box)	5.43 kg (11.97 lbs)
Shipping Weight (With Packaging)	7.74 kg

02 / ECOSYSTEM INTEGRATION

Practical Applications & Deployment Scenarios

How the C1200-48P-4X integrates into advanced corporate communications and routing matrices.

The versatility of the C1200-48P-4X makes it exceptionally well-suited for open offices, educational classrooms, retail chain branches, and multi-floor corporate environments requiring dependable edge connectivity. In enterprise telephony deployments, administrators frequently pair this switch with specialized communication endpoints such as the [Cisco CP-7821-K9 IP phone](#), standard multi-line models like the [Cisco CP-8841-K9 IP phone](#), and advanced video communication assets including the [Cisco CP-8845-K9 IP phone](#) and the executive [Cisco CP-8865-K9 IP phone](#).

For growing enterprises planning future network expansions or higher-density modular growth, infrastructure can be seamlessly scaled using enterprise-tier alternatives like the [Cisco C9200L-48P-4X-E switch](#), its counterpart the [Cisco C9200L-24P-4X-E switch](#), or robust routing units like the [MikroTik RB5009UG+S+IN router](#).

Deployment Recommendation: Ensure proper rack mounting clearance and adequate ambient airflow when deploying in high-density enterprise wiring closets. Check out the [NexoGet shop catalog](#) for matching transceiver modules and accessories.



Ready to Order Cisco C1200-48P-4X?

Get competitive pricing, verified stock status, and express shipping across Dubai and international locations. Connect directly with our enterprise networking hardware specialists.

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