
CISCO CATALYST 9200 SERIES

Cisco Catalyst 9200-48T-E Switch

C9200-48T-E

The Cisco Catalyst C9200-48T-E is an enterprise-class fixed-configuration switch designed for campus access networks. Featuring 48 10/100/1000 ports, Network Essentials software, modular uplink options, and robust stacking capabilities up to 160 Gbps, it delivers secure, resilient, and simplified IT infrastructure management.

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48

10/100/1000 Data Ports

160G

Stacking Bandwidth Support

Uplink

Modular Uplink Options

Essentials

Cisco Network Essentials SW

PRODUCT OVERVIEW

Simple, Secure, and Always-On Enterprise Access Switching

Cisco Catalyst 9200 Series switches extend the power of intent-based networking and Catalyst 9000 hardware and software innovation to a broader set of deployments. With its family pedigree, C9200-48T-E offers simplicity without compromise—it is secure, always on, and IT simplified.

48P**48-Port Gigabit Data**

Provides 48 downlink ports supporting 10/100/1000 Mbps Ethernet connectivity for enterprise devices.

STK**Resilient Stacking**

Optional stacking bandwidth up to 160 Gbps allows resilient management of up to 8 switches as a single unit.

UP**Modular Uplinks**

Flexible field-replaceable network modules with 1G, 10G, or 25G uplink options to meet core requirements.

SEC**Advanced Security**

Includes AES-128 MACsec encryption, policy-based segmentation, and trustworthy systems architecture.

PWR

Redundant Power

Supports dual field-replaceable modular power supplies and redundant fan units for high availability.

OPS

Operational Simplicity

Managed via Cisco IOS XE with programmable API capabilities and DNA Center support ready.

01 / TECHNICAL SPECIFICATIONS

Cisco C9200-48T-E Detailed Specifications

The following technical data is based on official Cisco Catalyst 9200 Series specifications and documentation.

Specification	Details
Manufacturer	Cisco Systems, Inc.
Product Family	Cisco Catalyst 9200 Series
Product Model	Catalyst 9200 48-port Data Switch
Part Number (SKU)	C9200-48T-E
Software License	Network Essentials
Downlink Interfaces	48 ports 10/100/1000 copper (RJ-45)
Uplink Configuration	Modular uplink options (network modules sold separately: 4x 1G, 4x 10G, or 2x 25G)

Specification	Details
Stacking Bandwidth	Up to 160 Gbps with optional Catalyst 9200 stacking module
Switching Capacity	176 Gbps (with 208 Gbps forwarding capacity depending on uplink module)
Forwarding Rate	130.95 Mpps
DRAM / Flash	2 GB / 4 GB
MAC Address Table	32,000 entries
Jumbo Frames	9,198 bytes
Power Supply Standard	Default 125W AC power supply (PWR-C5-125WAC=), field-replaceable dual-redundant capable
Input Voltage / Frequency	100V to 240V AC, 50 to 60 Hz
Dimensions (H x W x D)	1.73 x 17.5 x 13.8 inches (4.4 x 44.5 x 35.0 cm) - 1RU form factor
Weight	Approx. 9.35 lbs (4.24 kg) with default power supply
Operating Temperature	-5°C to +45°C (up to 5,000 meters)
Management Protocols	CLI, SNMP v1/v2c/v3, NETCONF, YANG, RESTCONF

Specification	Details
Warranty	Cisco Enhanced Limited Lifetime Warranty (E-LLW)

02 / SOFTWARE & LICENSING

Network Essentials vs. Network Advantage

The C9200-48T-E ships with the ****Network Essentials**** feature set, which delivers core routing and switching functionalities suitable for standard enterprise branch and campus wiring closets.

Note: Network Essentials includes foundational Layer 2 and basic Layer 3 features (OSPF, EIGRP stub, RIP, Access Control Lists, QoS, and standard security). If advanced routing protocols (BGP, OSPF multi-area, VXLAN, Cisco DNA Spaces integration) are required, ensure compatibility or check the Network Advantage variant (C9200-48T-A).

03 / USE CASES

Deployment Scenarios for C9200-48T-E

CMP

Campus Access Layer

Ideal for connecting standard enterprise workstations, IP phones, and printers in medium to large offices.

BRN

Branch Office Networking

Provides secure, reliable wired connectivity and enterprise management features for remote branches.

EDU

Educational Institutions

High port density and resilient stacking make it efficient for school and university

RET

Retail Environments

Stable performance for POS terminals, back-office computers, and security devices.

classrooms.

STK

Virtualized Stacking

Combine multiple switches into a single logical entity to simplify management and eliminate downtime.

SEC

Secure Access Control

Enforce strict corporate security policies using TrustSec and IEEE 802.1X authentication.

04 / COMPATIBLE ACCESSORIES

Recommended Modules and Accessories

Accessory Part Number	Description
C9200-NM-4G=	Catalyst 9200 4x 1G Network Module (Uplink)
C9200-NM-4X=	Catalyst 9200 4x 10G/1G Network Module (Uplink)
C9200-NM-2Y=	Catalyst 9200 2x 25G/10G/1G Network Module (Uplink)
C9200-STACK-KIT=	Catalyst 9200 Stacking Kit (Stack Adapter and Cables)
PWR-C5-125WAC=	Spare 125W AC Power Supply
CAB-TA-NA	Power Cord for North America (or regional alternative)

Before You Order

Uplink Modules: Network modules (such as 10G or 1G uplinks) are typically ordered separately unless bundled with a specific promotional SKU.

Power Supply: Comes with a standard AC power supply; check if a redundant second power supply is required for high availability.

Software: Verify SW subscription requirements and active support contracts with Cisco Smart Net Total Care.

Availability: Contact NexoGet sales to confirm current stock levels, condition (New/Refurbished), and express international shipping options to your location.



Need Pricing or Availability for C9200-48T-E?

Contact NexoGet for enterprise hardware quotations, stock availability, modular uplink options, shipping timelines, and professional consultation.

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