

Cisco Catalyst 9300 - Network Essentials - switch - 48 ports - Managed - rack-mountable(C9300-48P-E)

Cisco Catalyst 9300 - Network Essentials - switch - L3 - Managed - 48 x 10/100/1000 (PoE+) - rack-mountable - PoE+ (437 W)

Cisco Catalyst 9300 Series switches are Cisco's lead stackable enterprise access switching platform and as part of the Catalyst 9000 family, are built to transform your network to handle a hybrid world where the workplace is anywhere, endpoints could be anything, and applications are hosted all over the place.



Key Selling Points

- Cloud ready
- Optimized for mobility

Product Features

- BUILT-IN RESILIENCY**
High-end fixed switching for Software-Defined Access, App hosting, high availability, assurance, and smart buildings
- HIGH PERFORMANCE AND SCALABILITY**
Support for high-density 10G and 40G uplinks with up to 480 Gbps of stacking bandwidth for robust performance and network expansion.
- ADVANCED SECURITY**
Features like Encrypted Traffic Analytics (ETA) and Cisco TrustSec provide comprehensive security, including Network Access Control (NAC) capabilities.
- UP TO 1TB OF STACKING BANDWIDTH**
With Stackwise-1T, Catalyst 9300 switches are the industry's highest-density stacking bandwidth solution with the most flexible uplink architecture.
- CLOUD MANAGEMENT AND MONITORING**
Cloud management and monitoring provides the ability to manage or view Catalyst 9300 switch statistics, configuration, and troubleshooting capabilities in Meraki dashboard.

Main Specifications

Product Description	Cisco Catalyst 9300 - Network Essentials - switch - 48 ports - Managed - rack-mountable
Device Type	Switch - 48 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+)
Power Over Ethernet (PoE)	PoE+
PoE Budget	437 W
Performance	Switching capacity: 128 Gbps Stacking bandwidth: 480 Gbps Forwarding rate: 190.48 Mpps
Capacity	IPv4 routing table entries: 32000 IPv6 routing table entries: 16000 Flexible NetFlow entries: 64000 VLAN IDs: 4000 Switched virtual interfaces (SVIs): 2000
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes

Routing Protocol	OSPF, IS-IS, RIP-1, RIP-2, IGMP, VRRP, PIM-SM, OSPFv3, PIM-SSM, policy-based routing (PBR), RIPng
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF
Features	Trunking, full duplex mode, WRED, STP support, ACL support, QoS, RSPAN, MIB, Cisco StackWise-480 technology, Cisco StackPower technology, FNF, 802.1x authentication, 16MB packet buffer, FTP client, 3 fans, CoPP, SSM, integrated Wireshark, VLAN Double Tagging (Q-in-Q), Private VLAN
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3at
Power Redundancy	Optional
Dimensions (WxDxH)	44.5 cm x 44.5 cm x 4.4 cm
Weight	7.59 kg
Manufacturer Warranty	Limited lifetime warranty

Extended Specification

General

Device Type	Switch - 48 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+)
Power Over Ethernet (PoE)	PoE+
PoE Budget	437 W
Performance	Switching capacity: 128 Gbps Stacking bandwidth: 480 Gbps Forwarding rate: 190.48 Mpps
Capacity	IPv4 routing table entries: 32000 IPv6 routing table entries: 16000 Flexible NetFlow entries: 64000 VLAN IDs: 4000 Switched virtual interfaces (SVIs): 2000
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	OSPF, IS-IS, RIP-1, RIP-2, IGMP, VRRP, PIM-SM, OSPFv3, PIM-SSM, policy-based routing (PBR), RIPng
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF
Encryption Algorithm	128-bit AES
Features	Trunking, full duplex mode, WRED, STP support, ACL support, QoS, RSPAN, MIB, Cisco StackWise-480 technology, Cisco StackPower technology, FNF, 802.1x authentication, 16MB packet buffer, FTP client, 3 fans, CoPP, SSM, integrated Wireshark, VLAN Double Tagging (Q-in-Q), Private VLAN
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3at
RAM	8 GB
Flash Memory	16 GB
Status Indicators	Status

Expansion / Connectivity

Interfaces	48 x 1000Base-T RJ-45 PoE+ 1 x USB 2.0
Expansion Slots	1 (total) / 1 (free) x Expansion Slot

Manufacturer Warranty

Service & Support	Limited warranty - replacement - lifetime - response time: next business day Technical support - consulting - 90 days
-------------------	---

Miscellaneous

MTBF	277,770 hours
Compliant Standards	CISPR 22 Class A, CISPR 24, EN 61000-3-2, EN 61000-3-3, EN55024, EN50082-1, EN 61000-6-1, EN 61000-4-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-6, CCC, ICES-003 Class A, EN 61000-4-5, UL 60950-1, IEC 60950-1, EN 60950-1, RoHS, AS/NZS 3548 Class A, BSMI Class A, VCCI Class A, EN 55022 Class A, FCC CFR47 Part 15 A, EN 300 386, TVCN 7317, VCCI V-3/2009 Class A, CAN/CSA-C22.2 No. 60950-1

Power

Power Device	Internal power supply - hot-plug
Installed Qty	1
Max Supported Qty	2
Power Redundancy	Optional
Power Provided	715 Watt

Software / System Requirements

Software Included	Cisco IOS Universal
-------------------	---------------------

Environmental Parameters

Min Operating Temperature	-5 °C
Max Operating Temperature	45 °C
Humidity Range Operating	5 - 90% (non-condensing)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 90% (non-condensing)

Dimensions & Weight

Width	44.5 cm
Depth	44.5 cm
Height	4.4 cm
Weight	7.59 kg

What's in the box

Switch with default primary power supply, AC power cord, rack-mount kit

Product data is provided by CNET, we do not warrant the accuracy and completeness of the material contained in this data sheet