

Cisco Catalyst 9300 (C9300-48T-A)

Cisco Catalyst 9300 - Network Advantage - switch - L3 - Managed - 48 x 10/100/1000 - rack-mountable

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 Advantage - 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
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, BGP, EIGRP, HSRP, IGMP, VRRP, PIM-SM, OSPFv3, PIM-SSM, MSDP, policy-based routing (PBR), RIPv6
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF
Features	DHCP support, trunking, Syslog support, full duplex mode, SSO, CBWFQ, WRED, STP support, ACL support, QoS, NSR, RSPAN, MIB, Cisco StackWise-480 technology, Cisco StackPower technology, FNF, MSDP, 802.1x authentication, 16MB packet buffer, FTP client, MACsec support, 3 fans, CoPP, VXLAN, AVC, SSM, integrated Wireshark, VLAN Double Tagging (Q-in-Q), EoMPLS, H-VPLS, Private VLAN, L3VPN support, ERSPAN, SGT caching, SGACL, ITSM integration, third-party IPAM integration
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s
Power	AC 120/230 V (50 - 60 Hz)
Power Redundancy	Optional
Dimensions (WxDxH)	44.5 cm x 44.5 cm x 4.4 cm
Weight	7.45 kg
System Requirements	Cisco IOS Universal

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
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, BGP, EIGRP, HSRP, IGMP, VRRP, PIM-SM, OSPFv3, PIM-SSM, MSDP, policy-based routing (PBR), RIPvng
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF
Encryption Algorithm	128-bit AES
Features	DHCP support, trunking, Syslog support, full duplex mode, SSO, CBWFQ, WRED, STP support, ACL support, QoS, NSR, RSPAN, MIB, Cisco StackWise-480 technology, Cisco StackPower technology, FNF, MSDP, 802.1x authentication, 16MB packet buffer, FTP client, MACsec support, 3 fans, CoPP, VXLAN, AVC, SSM, integrated Wireshark, VLAN Double Tagging (Q-in-Q), EoMPLS, H-VPLS, Private VLAN, L3VPN support, ERSPAN, SGT caching, SGACL, ITSM integration, third-party IPAM integration
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s
RAM	8 GB
Flash Memory	16 GB
Status Indicators	Status

Expansion / Connectivity

Interfaces	48 x 1000Base-T RJ-45 ¦ 1 x USB 2.0
Expansion Slots	1 Expansion Slot

Manufacturer Warranty

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

Miscellaneous

MTBF	305,870 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	350 watt
Voltage Required	AC 120/230 V (50 - 60 Hz)

Software / System Requirements

Software Included	Cisco ONE C9300 DNA Advantage 48-port Term license, 25 x Cisco ONE ISE BASE Licenses Term, 25 x Cisco ONE ISE PLUS Licenses Term, Cisco ONE StealthWatch License Term - 25 Flow Licenses, Cisco ONE C9300 Advantage Add-On Term
OS Required	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	7.45 kg

What's in the box

- 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