Cisco Catalyst 9300L (C9300L-24P-4G-A)

Cisco Catalyst 9300L - Network Advantage - switch - L3 - Managed - 24 x 10/100/1000 (PoE+) + 4 x Gigabit SFP (uplink) - rack-mountable - PoE+ (505 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

Layer 3 advanced switching with comprehensive protocol support
Up to 32,000 IPv4 and 16,000 IPv6 routes for extensive network scalability
Hot-plug power supplies for uninterrupted operation
Supports a wide range of environmental conditions
Flexible remote management options including SNMP, NETCONF, and RESTCONF

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 9300L - Network Advantage - switch - 24 ports - Managed - rack-mountable*
Device Type	*Switch - 24 ports - L3 - Managed - stackable*
Enclosure Type	*Rack-mountable*
Subtype	*Gigabit Ethernet*
Ports	*24 x 10/100/1000 (PoE+) + 4 x Gigabit SFP (uplink)*
Power Over Ethernet (PoE)	*PoE+*
PoE Budget	*505 W*
Performance	*Switching capacity: 56 Gbps ¦ Stacking bandwidth: 376 Gbps ¦ Forwarding rate: 41.66 Mpps ¦ Forwarding rate with stacking: 279.76 Mpps*
Capacity	*IPv4 routes: 32000 ¦ IPv6 routes: 16000 ¦ Multicast scale: 8000 ¦ QoS scale entries: 5120 ¦ ACL scale entries: 5120 ¦ VLANs supported: 4094 ¦ Switched virtual interfaces (SVIs): 1000*
MAC Address Table Size	*32000 entries*
Jumbo Frame Support	*9198 bytes*
Routing Protocol	*OSPF, RIP-1, RIP-2, EIGRP, VRRP, PIM-SM, EIGRP for IPv6, OSPFv3, PIM-SSM, policy-based routing (PBR), RIPng, MSTP*
Remote Management Protocol	*SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF, gRPC, IPv4, IPv6, YANG*
Features	*ACL support, QoS, Rapid PVST+, SRR, PXE support, Energy Efficient Ethernet, CoS, FNF, 802.1x authentication, DSCP support, MACsec support, CoPP, Blue Beacon LED, ZTP, secure boot, PIM, FHS, PVLAN support, CIR, Cisco Trust Anchor module, Cisco UADP 2.0, Cisco StackWise-320 technology*
Compliant Standards	*IEEE 802.3, IEEE 802.3u, IEEE 802.3z, 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, IEEE 802.1ae, IEEE 1588v2, IEEE 802.1BA, Wi-Fi CERTIFIED 6*

Power	*AC 120/230 V (50 - 60 Hz)*
Power Redundancy	*Optional*
Dimensions (WxDxH)	*44.5 cm x 4.4 cm x 48.8 cm*
Weight	*6.81 kg*
Manufacturer Warranty	*Limited lifetime warranty*

Extended specification

General

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Routing Protocol	*OSPF, RIP-1, RIP-2, EIGRP, VRRP, PIM-SM, EIGRP for IPv6, OSPFv3, PIM-SSM, policy-based routing (PBR), RIPng, MSTP*
Remote Management Protocol	*SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF, gRPC, IPv4, IPv6, YANG*
Encryption Algorithm	*128-bit AES, 256-bit AES*
Features	*ACL support, QoS, Rapid PVST+, SRR, PXE support, Energy Efficient Ethernet, CoS, FNF, 802.1x authentication, DSCP support, MACsec support, CoPP, Blue Beacon LED, ZTP, secure boot, PIM, FHS, PVLAN support, CIR, Cisco Trust Anchor module, Cisco UADP 2.0, Cisco StackWise-320 technology*
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RAM	*8 GB*
Flash Memory	*16 GB*
Status Indicators	*Status*

Expansion / Connectivity

Interfaces	*24 x 1000Base-T RJ-45 505 W ¦ 4 x 1000Base-X SFP uplink ¦ 1 x network stack device ¦ 1 x management (LAN) RJ-45 ¦ 1 x console ¦ 1 x USB 2.0*

Manufacturer Warranty

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

Miscellaneous

MTBF	*346,940 hours*
Compliant Standards	*CISPR 22 Class A, CISPR 24, EN 61000-3-2, EN 61000-3-3, EN55024, EN 61000-6-1, AS/NZS 60950-1, CCC, ICES-003 Class A, UL 60950-1, IEC 60950-1, EN 60950-1, RoHS, AS/NZS 3548 Class A, BSMI Class A, VCCI Class A, CNS 13438, EN 55022 Class A, FCC CFR47 Part 15 B Class A, EN 300 386, KN32, KN35, EN 55032 Class A, CISPR 32 Class A, CAN/CSA-C22.2 No. 60950-1, TCVN 7189 Class A, V-3 Class A, TCVN 7317, CISPR 35*

Power

Power Device	*Internal power supply - hot-plug*
Installed Qty	*1*

Max Supported Qty	*2*
Power Redundancy	*Optional*
Power Provided	*715 watt*
Voltage Required	*AC 120/230 V (50 - 60 Hz)*

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	*4.4 cm*
Height	*48.8 cm*
Weight	*6.81 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