Cisco Catalyst 9300L (C9300L-48PF-4X-E)

Cisco Catalyst 9300L - Network Essentials - switch - L3 - Managed - 48 x 10/100/1000 (PoE+) + 4 x 10 Gigabit SFP+ (uplink) - rack-mountable - PoE+ (890 W) - with 1 year Network Essentials



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 Essentials - switch - 48 ports - Managed - rack-mountable*
Device Type	*Switch - 48 ports - L3 - Managed - stackable*
Enclosure Type	*Rack-mountable*
Bundled Services	*1 year Network Essentials*
Subtype	*Gigabit Ethernet*
Ports	*48 x 10/100/1000 (PoE+) + 4 x 10 Gigabit SFP+ (uplink)*
Power Over Ethernet (PoE)	*PoE+*
PoE Budget	*890 W*
Performance	*Switching capacity with stacking: 496 Gbps ¦ Switching capacity: 176 Gbps ¦ Forwarding rate: 130.95 Mpps ¦ Forwarding rate with stacking: 369.05 Mpps*
Capacity	*IPv4 routes: 32000 ¦ IPv6 routes: 16000 ¦ Multicast scale: 8000 ¦ QoS scale entries: 5120 ¦ ACL scale entries: 5120 ¦ Routed ports: 416 ¦ VLANs supported: 4094 ¦ Switched virtual interfaces (SVIs): 1000*
MAC Address Table Size	*32000 entries*
Jumbo Frame Support	*9198 bytes*
Routing Protocol	*OSPF, BGP-4, IS-IS, RIP-1, RIP-2, EIGRP, HSRP, VRRP, PIM-SM, EIGRP for IPv6, OSPFv3, PIM-SSM, MSDP, policy-based routing (PBR), RIPng, MPLS, MSTP*
Remote Management Protocol	*SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF*
Features	*NSF, ACL support, QoS, Rapid PVST+, SRR, PXE support, RSPAN, Energy Efficient Ethernet, VRF, CoS, FNF, 802.1x authentication, PTP, DSCP support, MACsec support, CoPP, LISP, Blue Beacon LED, ZTP, CoAP support, secure boot, SPAN, SGT caching, PIM, FHS, AVB, PVLAN support, GIR mode, 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 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ae, IEEE 802.3at, 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	*7.03 kg*
Manufacturer Warranty	*Limited lifetime warranty*

Extended specification

General

Device Type	*Switch - 48 ports - L3 - Managed - stackable*
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Remote Management Protocol	*SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF*
Encryption Algorithm	*128-bit AES, 256-bit AES*
Features	*NSF, ACL support, QoS, Rapid PVST+, SRR, PXE support, RSPAN, Energy Efficient Ethernet, VRF, CoS, FNF, 802.1x authentication, PTP, DSCP support, MACsec support, CoPP, LISP, Blue Beacon LED, ZTP, CoAP support, secure boot, SPAN, SGT caching, PIM, FHS, AVB, PVLAN support, GIR mode, 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	*48 x 1000Base-T RJ-45 PoE+ ¦ 4 x 10GBase-X SFP+ uplink ¦ 1 x management (LAN) RJ-45 ¦ 1 x console ¦ 1 x USB 2.0*

Manufacturer Warranty

Service & Support	*Limited warranty - advance parts replacement - lifetime - response time: next business day*

Miscellaneous

MTBF	*298,880 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, ICES-003 Class A, FCC CFR47 Part 15, UL 60950-1, IEC 60950-1, EN 60950-1, CISPR 25, RoHS, CNS 13438, EN 300 386 V1.6.1, EN 55022 Class A, EN 300 386, KN32, KN35, EN 55032 Class A, IEC 61000-6-1, CISPR 32 Class A, CAN/CSA-C22.2 No. 60950-1, VCCI-CISPR 32:2016 Class A, TCVN 7189 Class A, V-3 Class A, TCVN 7317, EN 55035, QCVN, V-2/2015.04, V-3/2015.04*

Power

Power Device	Internal power supply - hot-plug
Installed Qty	1
Max Supported Qty	2
Power Redundancy	Optional
Power Provided	1100 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	7.03 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