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Overview

The Cisco® Catalyst® 9300 Series Switches are Cisco's lead stackable enterprise switching platform built for security, IoT, mobility, and cloud. C9300-48P-E is 48-port PoE+, Network Essentials Switch of 9300 series. Catalyst 9300 Series are the next generation of the industry's most widely deployed switching platform. At 480 Gbps, they are the industry's highest-density stacking bandwidth solution with the most flexible uplink architecture. The Catalyst 9300 Series is the first optimized platform for high-density 802.11ac Wave2. It sets new maximums for network scale. These switches are also ready for the future, with an x86 CPU architecture and more memory, enabling them to host containers and run third-party applications and scripts natively within the switch.

Quick Spec

Table 1 shows the quick spec.

Product Code	C9300-48P-E
Product Description	Catalyst 9300 48-port PoE+, Network Essentials
Total 10/100/1000 or Multigigabit copper ports	48 POE+
Default AC power supply	715W AC
Available PoE power	437W
Dimensions (H x W x D)	1.73 x 17.5 x 17.5 Inches
Weight	16.33 Pounds

The Accessories

Table 2 shows the recommended elements for the C9300-48P-E.

Product number	Description
C9300-NM-4G	9300 Series 4x 1G Network Module
C9300-NM-4G=	Catalyst 9300 4 x 1GE Network Module, spare
C9300-NM-8X	9300 Series 8x 10G Network Module
C9300-NM-8X=	Catalyst 9300 8 x 10GE Network Module, spare
C9300-NM-2Q	9300 Series 2x 40G Network Module
C9300-NM-2Q=	Catalyst 9300 2 x 40GE Network Module, spare
C9300-NM-4M	9300 Series 4x Multigigabit Network Module
C9300-NM-4M=	Catalyst 9300 4 x MGig Network Module, spare

Compare to Similar Items

Table 3 shows the comparison between C9300-48P-E and C9300-24P-A.

Product Code	C9300-48P-E	C9300-24P-A
Product Description	Catalyst 9300 48-port PoE+, Network Essentials	Catalyst 9300 24-port PoE+, Network Advantage
Total 10/100/1000 or Multigigabit copper ports	48 POE+	24 POE+
Default AC power supply	715W AC	715W AC

Available PoE power	437W	445W
Dimensions (H x W x D)	1.73 x 17.5 x 17.5 Inches	1.73 x 17.5 x 17.5 Inches
Weight	16.33 Pounds	16.33 Pounds

Get more information

Do you have any question about the C9300-48P-E Switch?

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Specification

C9300-48P-E Specification	
Part Number	C9300-48P-E
Product Description	Catalyst 9300 48-port PoE+, Network Essentials
Total 10/100/1000 or Multigigabit copper ports	48 POE+
Default AC power supply	715W AC
Available PoE power	437W
Cisco StackWise-480	Yes
Cisco StackPower	Yes
Default power supply	PWR-C1-715WAC-P/2
Switching capacity	256 Gbps on 48-port Gigabit Ethernet model
Stacking bandwidth	480 Gbps
Total number of MAC addresses	32,000
Total number of IPv4 routes (ARP plus learned routes)	32,000 (24,000 direct routes and 8000 indirect routes)
IPv4 routing entries	32,000
IPv6 routing entries	16,000
Multicast routing scale	8000
QoS scale entries	5120
ACL scale entries	5120
Packet buffer per SKU	16 MB buffer for 24- or 48-port Gigabit Ethernet models
FNF entries	64,000 flow on 24- and 48-port Gigabit Ethernet models
DRAM	8 GB
Flash	16 GB
VLAN IDs	4000
Total Switched Virtual Interfaces (SVIs)	2000
Jumbo frames	9198 bytes
Total routed ports per 9300 Series stack	208

Wireless bandwidth per switch	Up to 96 Gbps on 48-port Gigabit Ethernet model
Forwarding rate	154.76 Mpps
Dimensions (H x W x D)	1.73 x 17.5 x 17.5 Inches
Weight	16.33 Pounds
Mean time between failures (hours)	299,000
Safety certifications	<ul style="list-style-type: none"> ● UL 60950-1 ● CAN/CSA-C222.2 No. 60950-1 ● EN 60950-1 ● IEC 60950-1 ● AS/NZS 60950.1 ● IEEE 802.3
Electromagnetic emissions certifications	<ul style="list-style-type: none"> ● 47 CFR Part 15 ● CISPR22 Class A ● EN 300 386 V1.6.1 ● EN 55022 Class A ● EN 55032 Class A ● CISPR 32 Class A ● EN61000-3-2 ● EN61000-3-3 ● ICES-003 Class A ● TCVN 7189 Class A ● V-3 Class A ● CISPR24 ● EN 300 386 ● EN55024 ● TCVN 7317
Environmental	Reduction of Hazardous Substances (ROHS) 5

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