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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. They are the next generation of the industry's most widely deployed switching platform. Catalyst 9300 Series switches form the foundational building block for Software-Defined Access (SD-Access), Cisco's lead enterprise architecture.

### Quick Specs

Table 1 shows the Quick Specs.

Product Code	C9300-48S-E
Product Description	Catalyst 9300 48 GE SFP Ports, modular uplink Switch
Total 10/100/1000 or Multigigabit copper ports	48x 5 Gbps UPOE ports (100M, 1G, 2.5G, 5G)
Uplink Configuration	Modular Uplinks
Default AC power supply	1100W AC
Available PoE power	645W
Dimensions (H x W x D)	1.73 x 17.5 x 17.5 Inches

### The Accessories

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

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

### Compare to Similar Items

Table 3 shows the comparison.

Product Code	C9300-48S-E	<a href="#">C9300-48P-1E</a>
Product Description	Catalyst 9300 48 GE SFP Ports, modular uplink Switch	Fed Only, C9300 48P PoE+, Network Essentials, 1yr offering
Total 10/100/1000 or Multigigabit copper ports	48x 5 Gbps UPOE ports (100M, 1G, 2.5G, 5G)	48 POE+
Uplink Configuration	Modular Uplinks	Modular Uplinks
Default AC power supply	1100W AC	715W AC

Available PoE power	645W	437w
Dimensions (H x W x D)	1.73 x 17.5 x 17.5 Inches	1.73 x 17.5 x 16.1 Inches

## Get More Information

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

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## Specification

C9300-48S-E Specification	
Product Code	C9300-48S-E
Product Description	Catalyst 9300 48 GE SFP Ports, modular uplink Switch
Total 10/100/1000 or Multigigabit copper ports	48x 5 Gbps UPOE ports (100M, 1G, 2.5G, 5G)
Uplink Configuration	Modular Uplinks
Default AC power supply	1100W AC
Available PoE power	645W
Dimensions (H x W x D)	1.73 x 17.5 x 17.5 Inches
Cisco StackWise-480	Yes
Cisco StackPower	Yes
Default power supply	PWR-C1-715WAC-P/2
Switching capacity	640 Gbps
Stacking bandwidth	480 Gbps
Forwarding rate	476.19 Mpps
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 modelst 32 MB buffer for 24 and 48-port Multigigabit
FNF entries	64,000 flow on 24- and 48-port Gigabit Ethernet models 128,000 flows on 24-port Multigigabit
DRAM	8 GB
Flash	16 GB
VLAN IDs	4094

Total Switched Virtual Interfaces (SVIs)	1000
Jumbo frames	9198 bytes
Total routed ports Catalyst per 9300 Series stack	448
Wireless bandwidth per switch	Up to 96 Gbps on 48-port Gigabit Ethernet model
Mean time between failures – MTBF (hours)	198,647
Safety certifications	<ul style="list-style-type: none"> <li>•UL 60950-1</li> <li>•CAN/CSA-C222.2 No. 60950-1</li> <li>•EN 60950-1</li> <li>•IEC 60950-1</li> <li>•AS/NZS 60950.1</li> <li>•IEEE 802.3</li> </ul>
Electromagnetic emissions certifications	<ul style="list-style-type: none"> <li>•47 CFR Part 15</li> <li>•CISPR22 Class A</li> <li>•EN 300 386 V1.6.1</li> <li>•EN 55022 Class A</li> <li>•EN 55032 Class A</li> <li>•CISPR 32 Class A</li> <li>•EN61000-3-2</li> <li>•EN61000-3-3</li> <li>•ICES-003 Class A</li> <li>•TCVN 7189 Class A</li> <li>•V-3 Class A</li> <li>•CISPR24</li> <li>•EN 300 386</li> <li>•EN55024</li> <li>•TCVN 7317</li> <li>• V-2/2015.04</li> <li>•V-3/2015.04</li> <li>•CNS13438</li> <li>•KN32</li> <li>•KN35</li> <li>•IEC 61000-6-1</li> <li>•EN 61000-6-1</li> </ul>
Environmental	Reduction of Hazardous Substances (ROHS) 5

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