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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. C9300-24P-A is 24-port PoE+, Network Advantage 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

Figure 1 shows the appearance of C9300-24P-A.



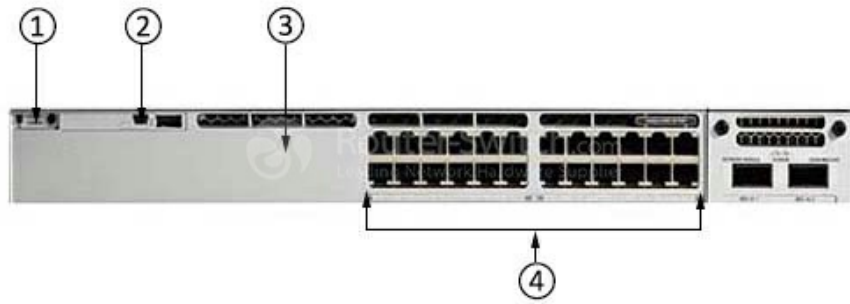
Table 1 shows the quick spec.

Product Code	C9300-24P-A
Product Description	Catalyst 9300 24-port PoE+, Network Advantage
Total 10/100/1000 or Multigigabit copper ports	24 POE+
Default AC power supply	715W AC
Available PoE power	445W
Dimensions (H x W x D)	1.73 x 17.5 x 17.5 Inches
Weight	16.33 Pounds

## Product Details

Figure 2 shows the front view of C9300-24P-A.

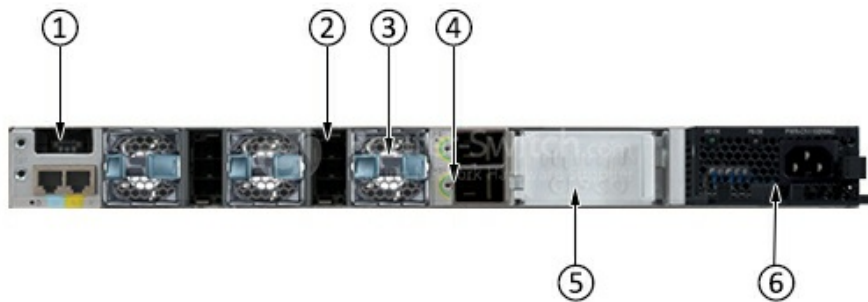
The module slot on the right of the front panel doesn't include the module. Network Modules (providing 1G/10G/40G ports) should be purchased separately.



Note:

(1)	Blue Beacon-for easy of serviceability
(2)	optional wireless console access with Bluetooth
(3)	Best HA-NSF/SSO
(4)	24 1G ports

Figure 3 shows the rear view of C9300-24P-A.



Note:

(1)	Local Storage USB 3.0 SSD pluggable
(2)	Stackwise-480-Industry's highest stack bandwidth
(3)	Modular,Redundant Fans
(4)	Intelligent Power management-Cisco StackPower
(5)	Optional Power Supply
(6)	High- Efficiency Power Supply

## The Accessories

Table 2 shows the recommended elements for the C9300-24P-A.

Product number	Description
<a href="#">C9300-NM-4G</a>	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 C9300-24P-A and C9300-24T-A.

Product Code	C9300-24P-A	C9300-24T-A
Product Description	Catalyst 9300 24-port PoE+, Network Advantage	Catalyst 9300 24-port data only, Network Advantage
Total 10/100/1000 or Multigigabit copper ports	24 POE+	24
Default AC power supply	715W AC	350W AC
Available PoE power	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 Cisco C9300-24P-A?

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## Specification

C9300-24P-A Specification	
Part Number	C9300-24P-A
Product Description	Catalyst 9300 48-port PoE+, Network Advantage
Total 10/100/1000 or Multigigabit copper ports	24 POE+
Default AC power supply	715W AC
Available PoE power	445W
Cisco StackWise-480	Yes
Cisco StackPower	Yes
Default power supply	PWR-C1-715WAC-P/2
Switching capacity	208 Gbps on 24-port Gigabit Ethernet model
Stacking bandwidth	480 Gbps
Total number of MAC addresses	32,000

<b>Total number of IPv4 routes (ARP plus learned routes)</b>	32,000 (24,000 direct routes and 8000 indirect routes)
<b>IPv4 routing entries</b>	32,000
<b>IPv6 routing entries</b>	16,000
<b>Multicast routing scale</b>	8000
<b>QoS scale entries</b>	5120
<b>ACL scale entries</b>	5120
<b>Packet buffer per SKU</b>	16 MB buffer for 24- or 48-port Gigabit Ethernet models
<b>FNF entries</b>	64,000 flow on 24- and 48-port Gigabit Ethernet models
<b>DRAM</b>	8 GB
<b>Flash</b>	16 GB
<b>VLAN IDs</b>	4000
<b>Total Switched Virtual Interfaces (SVIs)</b>	2000
<b>Jumbo frames</b>	9198 bytes
<b>Total routed ports per 9300 Series stack</b>	208
<b>Wireless bandwidth per switch</b>	Up to 48 Gbps on 24-port Gigabit Ethernet model
<b>Forwarding rate</b>	154.76 Mpps
<b>Dimensions (H x W x D)</b>	1.73 x 17.5 x 17.5 Inches
<b>Weight</b>	16.33 Pounds
<b>Mean time between failures (hours)</b>	299,000
<b>Safety certifications</b>	<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>
<b>Electromagnetic emissions certifications</b>	<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> </ul>
<b>Environmental</b>	Reduction of Hazardous Substances (ROHS) 5

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