

# C9300-48P-A DATASHEET

Catalyst 9300 48 Port 1G Copper with Modular Uplinks, PoE+, and Network Advantage



## CISCO CATALYST 9300 SERIES OVERVIEW

The Catalyst 9300 series of switches are Cisco's lead stackable enterprise-class access switches. They were built to transform networks to be able to handle a hybrid world and are an excellent choice for a variety of deployment scenarios including the campus, branch, and data center.

### Quick Specs:

<b>Model Number:</b>	C9300-48P-A
<b>Manufacturer:</b>	Cisco
<b>Ports:</b>	(48) 10/100/1000 Copper PoE+
<b>PoE Capability</b>	437W (default); 1440W (max)
<b>Stacking Bandwidth</b>	480 Gbps
<b>Default Power Supply</b>	715W AC
<b>Uplinks:</b>	Modular
<b>Software:</b>	Network Advantage
<b>Dimensions:</b>	1.73" x 17.5" x 16.1"
<b>Weight:</b>	16.73 lbs (7.59kg)

## C9300-48P-A Accessories:

The Catalyst 9300 series features highly versatile and scalable switches which come with a large range of options regarding accessories to enhance switch functionality.

### Power Accessories:

The C9300-48P-A comes with a single default 715W Platinum Rated power supply. This switch has 2 power supply slots as it supports dual redundant power supplies. Additional options for powering the switch are below.

<b>Default Power Supply:</b>	PWR-C1-715WAC-P (Platinum Rated)
<b>Compatible Power Supply:</b>	PWR-C1-715WAC
<b>Upgrade Power Supply:</b>	PWR-C1-1000WAC-P (Platinum Rated)
<b>Blank:</b>	PWR-C1-BLANK
<b>US Power Cord:</b>	CAB-TA-NA

### Stacking Accessories:

The C9300-48P-A supports StackWise®-480 technology, allowing for up to 480 Gbps of stacking bandwidth and a maximum of 8 switches in a single stack. It should be noted that mixed stacking is not supported between 9300 and 9300L models, nor is it supported with any other switch series. Stacking must be with other 9300 switches with the same license level.

This switch does not require a StackWise adapter as it features built-in stack ports.

<b>50CM Stacking Cable</b>	STACK-T1-50CM
<b>1M Stacking Cable</b>	STACK-T1-1M
<b>3M Stacking Cable</b>	STACK-T1-3M
<b>Catalyst 3850 30CM Stacking Cable</b>	CAB-SPWR-30CM
<b>Catalyst 3850 15CM Stacking Cable</b>	CAB-SPWR-150CM

## C9300-48P-A Compatible Network Modules:

The Catalyst 9300 series features highly versatile and scalable switches which come with a large range of options regarding accessories to enhance switch functionality.

<b>4 x 1G Module</b>	C9300-NM-4G
<b>8 x 10G Module</b>	C9300-NM-8X
<b>2 x 40G Module</b>	C9300-NM-2Q
<b>4 x mGig Module</b>	C9300-NM-4M
<b>2 x 25G Module</b>	C9300-NM-2Y



**C9300-NM-4G**  
4 x 1G Network Module



**C9300-NM-4M**  
4 x mGig Network Module



**C9300-NM-8X**  
8 x 10G/1G Network Module



**C9300-NM-2Q**  
2 x 40G Network Module



**C9300-NM-2Y**  
2 x 25G/10G/1G Network Module

## C9300-48P-A Specifications:

<b>Switching Capacity:</b>	256 Gbps
<b>Switching Capacity with Stacking</b>	736 Gbps
<b>Forwarding Rate:</b>	190.47 Mpps
<b>Forwarding Rate with Stacking:</b>	547.62 Mpps
<b>Stacking Support:</b>	StackWise®-480
<b>Stacking Bandwidth:</b>	480 Gbps
<b>Cisco StackPower</b>	Yes
<b>Max Stack Members</b>	8 Switches
<b>PoE Specification:</b>	PoE+
<b>Default PoE Support:</b>	437W
<b>Max PoE Support:</b>	1440W
<b>Uplink Ports:</b>	Modular Uplinks
<b>Flash:</b>	16GB
<b>MAC Address Table Size:</b>	32K
<b>VLAN ID's Available:</b>	4K
<b>Max Active VLANS:</b>	1K
<b>IPv4 Routes:</b>	32,000 (24,000 direct & 8,000 indirect)
<b>IPv6 Routing Entries:</b>	16,000
<b>Multicast Routing Scale:</b>	8,000
<b>QoS Scale Entries:</b>	5,120
<b>ACL Scale Entries:</b>	5,120
<b>Jumbo Frames:</b>	9198 bytes
<b>DRAM:</b>	8GB
<b>Virtual Networks:</b>	256
<b>Operating System:</b>	Cisco IOS XE
<b>Software:</b>	Network Advantage
<b>Energy:</b>	Energy Efficient Ethernet (EEE)
<b>Predicted Reliability:</b>	277,770 hrs MTBF

## Network Advantage:

The C9300-48P-A features Cisco's Network Advantage perpetual license. This license is inherent to the device and is inclusive of the Network Essentials capabilities.

Network Advantage (Inclusive of Network Essentials)		Perpetual
<b>Enhanced Security Controls:</b> <ul style="list-style-type: none"> <li>• MACSEC-256</li> </ul>	<b>Flexible Network Segmentation:</b> <ul style="list-style-type: none"> <li>• VRF, VXLAN, LISP, SGT, MPLS</li> </ul>	
<b>IOT &amp; Mobility:</b> <ul style="list-style-type: none"> <li>• CoAP, AVB, PTP</li> </ul>	<b>High Availability &amp; Resiliency:</b> <ul style="list-style-type: none"> <li>• NSF, GIR, StackWise, Virtual, ISSU/eFSU, Patching (CLI)</li> </ul>	
<b>Full Routing Functionality:</b> <ul style="list-style-type: none"> <li>• BGP, HSRP, OSPF, ISIS, GLBP</li> </ul>	<b>Optimize Bandwidth Utilization with Multicast:</b> <ul style="list-style-type: none"> <li>• MSDP, mVPN, AutoRP, PIM-BIDIR</li> </ul>	

Network Essentials		Perpetual
<b>Essential Switch Capabilities:</b> <ul style="list-style-type: none"> <li>• Layer 2</li> <li>• Routed Access-RIP</li> <li>• EIGRP Stub</li> <li>• OSFP (1000 routes)</li> <li>• PBR</li> <li>• PIM Stub Multicast (1000 routes)</li> <li>• PVLAN</li> <li>• VRRP</li> <li>• CDP</li> <li>• QoS</li> <li>• FHS</li> <li>• 802.1x</li> <li>• MACsec-128</li> <li>• CoPP</li> <li>• SXP</li> <li>• IP SLA Responder</li> <li>• SSO</li> </ul>	<b>DevOps Integration:</b> <ul style="list-style-type: none"> <li>• NETCONF, RESTCONF, gRPC</li> <li>• Yang Data Models</li> <li>• GuestShell (On-Box Python)</li> <li>• PnP Agent, ZTP</li> </ul>	
	<b>Telemetry &amp; Visibility:</b> <ul style="list-style-type: none"> <li>• Model-Driven Telemetry</li> <li>• Sampled NetFlow</li> <li>• SPAN, RSPAN</li> </ul>	

## Transceiver Module Compatibility:

Compatible Modules	Transceiver	Data Rate	Form Factor	Max Reach	Cable Type	Media	Connector Type
C9300-NM-4G C9300-NM-8X C9300NM-2Y	GLC-GE-100FX	100 Mbps	SFP	2km	Duplex Fiber	MMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-T	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-TE	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-BX-D	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-BX-U	1 Gbps	SFP	10km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y	GLC-BX40-D-I	1 Gbps	SFP	40km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y	GLC-BX40-U-I	1 Gbps	SFP	40km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y	GLC-BX80-D-I	1 Gbps	SFP	80km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y	GLC-BX80-U-I	1 Gbps	SFP	80km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y	GLC-BX40-DA-I	1 Gbps	SFP	40km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-EX-SMD	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-EX-SMD	1 Gbps	SFP	40km	Duplex Fiber	SMF	LC (PC or UPC)

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Compatible Modules	Transceiver	Data Rate	Form Factor	Max Reach	Cable Type	Media	Connector Type
C9300-NM-4G C9300-NM-8X C9300NM-2Y	SFP-GE-T	10/100/1000 Mbps	SFP	100m	Cat5e/6A	Copper	RJ-45
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-SX-MM-RGD	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-LX-SM-RGD	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-ZX-SM-RGD	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-SX-MMD	1 Gbps	SFP	1000m	Duplex Fiber	MMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-LH-SMD	1 Gbps	SFP	10km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y C9300-NM-2Q	GLC-ZX-SMD	1 Gbps	SFP	70km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y	CWDM-SFP-XXXX	1 Gbps	SFP	100km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-4G C9300-NM-8X C9300NM-2Y	DWDM-SFP-XXXX	1 Gbps	SFP	80km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-SR	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-SR-S	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y	SFP-10G-SR-X	10 Gbps	SFP+	400m	Duplex Fiber	MMF	LC (PC or UPC)
C9300-NM-8X	SFP-10G-LRM	10 Gbps	SFP+	220m	Duplex Fiber	MMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-LR	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)

## Transceiver Module Compatibility:

Compatible Modules	Transceiver	Data Rate	Form Factor	Max Reach	Cable Type	Media	Connector Type
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-LR-S	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y	SFP-10G-LR-X	10 Gbps	SFP+	10km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-ER	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-ER-S	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-ZR	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-ZR-S	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y	SFP-10G-BXD-I	10 Gbps	SFP+	10km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y	SFP-10G-BXU-I	10 Gbps	SFP+	10km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y	SFP-10G-BX40D-I	10 Gbps	SFP+	40km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y	SFP-10G-BX40U-I	10 Gbps	SFP+	40km	Single-strand Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-H10GB-CU1M	10 Gbps	SFP+	1m	Preterminated cable	DAC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-H10GB-CU3M	10 Gbps	SFP+	3m	Preterminated cable	DAC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-H10GB-CU5M	10 Gbps	SFP+	5m	Preterminated cable	DAC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-H10GB-ACU7M	10 Gbps	SFP+	7m	Preterminated cable	DAC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-H10GB-ACU10M	10 Gbps	SFP+	10m	Preterminated cable	DAC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-AOC1M	10 Gbps	SFP+	1m	Preterminated cable	AOC	N/A



## Transceiver Module Compatibility:

Compatible Modules	Transceiver	Data Rate	Form Factor	Max Reach	Cable Type	Media	Connector Type
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-AOC2M	10 Gbps	SFP+	2m	Preterminated cable	AOC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-AOC3M	10 Gbps	SFP+	3m	Preterminated cable	AOC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-AOC5M	10 Gbps	SFP+	5m	Preterminated cable	AOC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-AOC7M	10 Gbps	SFP+	7m	Preterminated cable	AOC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-10G-AOC10M	10 Gbps	SFP+	10m	Preterminated cable	AOC	N/A
C9300-NM-8X	DWDM-SFP10G-XX.XX	10 Gbps	SFP+	80km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y	CWDM-SFP10G-XXXX	10 Gbps	SFP+	40km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-H10GB-CU1-5M	10 Gbps	SFP+	1.5m	Preterminated cable	DAC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-H10GB-CU2M	10 Gbps	SFP+	2m	Preterminated cable	DAC	N/A
C9300-NM-8X C9300-NM-2Y C9300-NM-2Q	SFP-H10GB-CU2-5M	10 Gbps	SFP+	2.5m	Preterminated cable	DAC	N/A
C9300-NM-8X C9300-NM-2Y	DWDM-SFP10G-C-S	10 Gbps	SFP+	70km	Duplex Fiber	SMF	LC (PC or UPC)
C9300-NM-2Y	SFP-H25G-CU1M	25 Gbps	SFP28	1m	Preterminated cable	DAC	N/A
C9300-NM-2Y	SFP-H25G-CU2M	25 Gbps	SFP28	2m	Preterminated cable	DAC	N/A
C9300-NM-2Y	SFP-H25G-CU3M	25 Gbps	SFP28	3m	Preterminated cable	DAC	N/A
C9300-NM-2Y	SFP-H25G-CU5M	25 Gbps	SFP28	5m	Preterminated cable	DAC	N/A
C9300-NM-2Y	SFP-25G-AOC1M	25 Gbps	SFP28	1m	Preterminated cable	AOC	N/A
C9300-NM-2Y	SFP-H25G-CU3M	25 Gbps	SFP28	3m	Preterminated cable	DAC	N/A
C9300-NM-2Y	SFP-H25G-CU5M	25 Gbps	SFP28	5m	Preterminated cable	DAC	N/A

# Transceiver Module Compatibility:

Compatible Modules	Transceiver	Data Rate	Form Factor	Max Reach	Cable Type	Media	Connector Type
C9300-NM-2Y	SFP-25G-AOC1M	25 Gbps	SFP28	1m	Preterminated cable	AOC	N/A
C9300-NM-2Y	SFP-25G-AOC2M	25 Gbps	SFP28	2m	Preterminated cable	AOC	N/A
C9300-NM-2Y	SFP-25G-AOC3M	25 Gbps	SFP28	3m	Preterminated cable	AOC	N/A
C9300-NM-2Y	SFP-25G-AOC5M	25 Gbps	SFP28	5m	Preterminated cable	AOC	N/A
C9300-NM-2Y	SFP-25G-AOC7M	25 Gbps	SFP28	7m	Preterminated cable	AOC	N/A
C9300-NM-2Y	SFP-25G-AOC10M	25 Gbps	SFP28	10m	Preterminated cable	AOC	N/A
C9300-NM-2Y	SFP-25G-SR-S	25 Gbps	SFP28	100m	Duplex Fiber	MMF	LC (UPC)
C9300-NM-2Y	SFP-10/25G-CSR-S	10/25 Gbps	SFP28	400m	Duplex Fiber	MMF	LC (UPC)
C9300-NM-2Y	SFP-10/25G-LR-S	10/25 Gbps	SFP28	10km	Duplex Fiber	SMF	LC (UPC)
C9300-NM-2Y	SFP-25G-AOC4M	25 Gbps	SFP28	4m	Preterminated cable	AOC	N/A
C9300-NM-2Y	SFP-H25G-CU1.5M	25 Gbps	SFP28	1.5m	Preterminated cable	DAC	N/A
C9300-NM-2Y	SFP-H25G-CU2.5M	25 Gbps	SFP28	2.5m	Preterminated cable	DAC	N/A
C9300-NM-2Y	SFP-H25G-CU4M	25 Gbps	SFP28	4m	Preterminated cable	DAC	N/A
C9300-NM-2Y	SFP-10/25G-BXD-I	10/25 Gbps	SFP28	15km	Single-strand Fiber	SMF	LC (UPC)
C9300-NM-2Y	SFP-10/25G-BXD-I	10/25 Gbps	SFP28	15km	Single-strand Fiber	SMF	LC (UPC)
C9300-NM-2Y	SFP-10/25G-BXU-I	10/25 Gbps	SFP28	15km	Single-strand Fiber	SMF	LC (UPC)
C9300-NM-2Y	SFP-10/25G-BXU-I	10/25 Gbps	SFP28	15km	Single-strand Fiber	SMF	LC (UPC)
C9300-NM-2Y	SFP-25G-SL	25 Gbps	SFP28	30m	Duplex Fiber	MMF	LC (UPC)
C9300-NM-2Q	QSFP-40/100-SRBD	40/100 Gbps	QSFP28	100m	Duplex Fiber	MMF	LC (UPC)
C9300-NM-2Q	QSFP-40G-SR4	40 Gbps	QSFP+	150m	Parallel Fiber	MMF	MPO-12 (UPC)
C9300-NM-2Q	QSFP-40G-SR4	40 Gbps	QSFP+	150m	Parallel Fiber	MMF	MPO-12 (UPC)
C9300-NM-2Q	QSFP-40G-CSR4	40 Gbps	QSFP+	400m	Parallel Fiber	MMF	MPO-12 (UPC)
C9300-NM-2Q	QSFP-40G-CSR4	40 Gbps	QSFP+	400m	Parallel Fiber	MMF	MPO-12 (UPC)
C9300-NM-2Q	QSFP-40G-SR4-S	40 Gbps	QSFP+	150m	Parallel Fiber	MMF	MPO-12 (UPC)
C9300-NM-2Q	QSFP-40G-SR-BD	40 Gbps	QSFP+	150m	Duplex Fiber	MMF	LC (UPC)
C9300-NM-2Q	QSFP-4X10G-LR-S	40 Gbps	QSFP+	10km	Parallel Fiber	SMF	MPO-12 (APC)

# Transceiver Module Compatibility:

Compatible Modules	Transceiver	Data Rate	Form Factor	Max Reach	Cable Type	Media	Connector Type
C9300-NM-2Q	QSFP-40G-LR4-S	40 Gbps	QSFP+	10km	Duplex Fiber	SMF	LC (UPC)
C9300-NM-2Q	QSFP-40G-LR4	40 Gbps	QSFP+	10km	Duplex Fiber	SMF	LC (UPC)
C9300-NM-2Q	QSFP-40G-ER4	40 Gbps	QSFP+	40km	Duplex Fiber	SMF	LC (UPC)
C9300-NM-2Q	WSP-Q40GLR4L	40 Gbps	QSFP+	2km	Duplex Fiber	SMF	LC (UPC)
C9300-NM-2Q	QSFP-4SFP10G-CU5M	40 Gbps	QSFP+	5m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-4SFP10G-CU3M	40 Gbps	QSFP+	3m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-4SFP10G-CU1M	40 Gbps	QSFP+	1m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-4X10G-AC7M	40 Gbps	QSFP+	7m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-4X10G-AC10M	40 Gbps	QSFP+	10m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-H40G-CU5M	40 Gbps	QSFP+	5m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-H40G-CU3M	40 Gbps	QSFP+	3m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-H40G-CU1M	40 Gbps	QSFP+	1m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-H40G-ACU7M	40 Gbps	QSFP+	7m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-H40G-ACU10M	40 Gbps	QSFP+	10m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-4X10G-AOC1M	40 Gbps	QSFP+	1m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-4X10G-AOC2M	40 Gbps	QSFP+	2m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-4X10G-AOC3M	40 Gbps	QSFP+	3m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-4X10G-AOC5M	40 Gbps	QSFP+	5m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-4X10G-AOC7M	40 Gbps	QSFP+	7m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-4X10G-AOC10M	40 Gbps	QSFP+	10m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-H40G-AOC1M	40 Gbps	QSFP+	1m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-H40G-AOC2M	40 Gbps	QSFP+	2m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-40G-CSR4	40 Gbps	QSFP+	400m	Parallel Fiber	MMF	MPO-12 (UPC)
C9300-NM-2Q	QSFP-40G-SR4-S	40 Gbps	QSFP+	150m	Parallel Fiber	MMF	MPO-12 (UPC)
C9300-NM-2Q	QSFP-40G-SR-BD	40 Gbps	QSFP+	150m	Duplex Fiber	MMF	LC (UPC)

## Transceiver Module Compatibility:

Compatible Modules	Transceiver	Data Rate	Form Factor	Max Reach	Cable Type	Media	Connector Type
C9300-NM-2Q	QSFP-H40G-AOC2M	40 Gbps	QSFP+	2m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-H40G-AOC3M	40 Gbps	QSFP+	3m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-H40G-AOC5M	40 Gbps	QSFP+	5m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-H40G-AOC7M	40 Gbps	QSFP+	7m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-H40G-AOC10M	40 Gbps	QSFP+	10m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-H40G-AOC15M	40 Gbps	QSFP+	15m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-H40G-AOC20M	40 Gbps	QSFP+	20m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-H40G-AOC25M	40 Gbps	QSFP+	25m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-H40G-AOC30M	40 Gbps	QSFP+	30m	Preterminated cable	AOC	N/A
C9300-NM-2Q	QSFP-4SFP10G-CU2M	40 Gbps	QSFP+	2m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-4SFP10G-CU4M	40 Gbps	QSFP+	4m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-H40G-CU0-5M	40 Gbps	QSFP+	0.5m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-H40G-CU2M	40 Gbps	QSFP+	2m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-H40G-CU4M	40 Gbps	QSFP+	4m	Preterminated cable	DAC	N/A
C9300-NM-2Q	QSFP-40G-CSR-S	40 Gbps	QSFP+	440m	Duplex Fiber	MMF	LC (UPC)