

C9300-NM-4G DataSheet



Cisco C9300-NM-4G network module provides four 1G SFP uplinks for Catalyst 9300 Series switches, supporting flexible enterprise network expansion. Compatible with Cisco SFP modules.

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C9300-NM-4G Description

The Cisco C9300-NM-4G is a field-replaceable network module designed for the Catalyst 9300 Series switches, offering four 1 Gigabit SFP uplink ports. As a hot-swappable module, it provides flexible and cost-effective uplink expansion for enterprise networks, supporting various 1G SFP optics for copper and fiber connectivity. This network module is ideal for organizations seeking to boost network bandwidth and redundancy, and ensures compatibility with both new and existing Cisco SFP modules. As part of the 9300 modular architecture, the C9300-NM-4G module allows seamless integration into your switching environment, supporting high-performance, scalable access layer deployments.

Quick Specs

Parameter	Details
Supported Devices	Catalyst 9300 Series (non-9300X)
Uplink Ports	4 × 1G SFP
Module Type	Field-replaceable, Hot-swappable
Data Rate	1 Gbps per port
Compatibility	Catalyst 3850/9300 SFP Modules
Dimensions	Standard network module for 9300

MTBF	8,953,570 hours
Typical Use	Enterprise access & uplink expansion

Product Comparison







Model	Uplink Ports	Max Speed	Compatibility	Use Case
C9300-NM-4G	4 × 1G SFP	1 Gbps	Catalyst 9300, 3850	Standard 1G uplink/fiber
C9300-NM-8X	8 × 10G/1G SFP+	10 Gbps	Catalyst 9300	High-density 10G uplink
C9300-NM-2Q	2 × 40G QSFP+	40 Gbps	Catalyst 9300	Core/aggregation 40G uplink

Product Key Features

- **Multi-Mode Uplink Choices:** Supports up to four simultaneous 1G SFP uplinks for increased bandwidth, redundancy, and flexible network design; ideal for both copper and fiber deployments.
- **Plug-and-Play, Hot-Swappable:** Installation and replacement do not require shutting down the switch, minimizing disruption and simplifying network upgrades or repairs.
- **Enterprise-Grade Reliability:** High Mean Time Between Failure (MTBF) of over 8.95 million hours ensures robust, long-term operation even in mission-critical enterprise environments.
- **Optimized for Cisco 9300 Architecture:** Integrates seamlessly with Cisco Catalyst 9300 Series modular switches (except 9300X), enabling scalable stacking and network expansion with unified management.
- **Comprehensive SFP Support:** Accepts a variety of Cisco 1G SFP modules (SX, LX, ZX, copper) to meet diverse enterprise and campus connectivity needs.
- **Security & Future-Readiness:** Enables secure uplink connections with MACsec support on compatible SFPs, and provides a modular path for future technology upgrades as your infrastructure evolves.

- **Easy Maintenance & Inventory:** Field-replaceable module design and RFID asset tracking make the C9300-NM-4G easy to manage and inventory, reducing administrative overhead for IT teams.
- **Standards Compliance:** Adheres to IEEE and SFP MSA standards, ensuring compatibility and interoperability with industry-standard networking equipment.
- **Space-Efficient:** Designed to fit perfectly in the Catalyst 9300 Series modular slot, saving valuable rack space and enabling dense deployments in enterprise wiring closets.

Installing C9300 Network Module Guide

-  Attach an ESD-preventive wrist strap to your wrist and to an earth ground surface.
-  Remove the module from the protective packaging.
-  Remove the blank module from the switch and save it.
-  Position the module face up to install it in the module slot. Slide the module into the slot until the screw makes contact with the chassis. Fasten the captive screws to secure the network module in place.
-  While installing C9300 network modules, position the module face up to install it in the module slot. Slide the module into the slot until the screw makes contact with the chassis. Fasten the captive screws to secure the network module in place.
-  While installing C9300 network modules, position the module face up to install it in the module slot. Slide the module into the slot until the screw makes contact with the chassis. Fasten the captive screws to secure the network module in place.



Specification

Cisco C9300-NM-4G Detailed Specifications

Product Number	C9300-NM-4G
Module Category	Type-1 Network Module

Cisco C9300-NM-4G Detailed Specifications

Port Count	4
Port Speed	1 Gbps each
Total Bandwidth	4 Gbps full-duplex
Port Form Factor	SFP
Hot-Swap Capability	Supported - no reboot needed
Host Compatibility	Catalyst 9300 & 3850 modular-uplink models
Optics Supported	GLC-SX-MMD, GLC-LH-SMD, GLC-T, etc.
Cabling Interfaces	LC duplex (fiber) / RJ-45 (copper SFP)
Maximum Fiber Reach	10 km (LX), 550 m (SX)
Operating Temperature	-5 °C to +45 °C (inherits chassis)
Storage Temperature	-40 °C to +70 °C
Relative Humidity	5 % - 90 % non-condensing
Regulatory Compliance	RoHS 5, FCC Class A
EMC Certifications	EN 55032 Class A, CISPR 32
Safety Certifications	UL 60950-1, EN 62368-1
Typical Power Draw	≈ 12 W (module installed)
MTBF (projected)	> 1,300,000 hours
Warranty	Cisco Limited Lifetime
Deployment Examples	Branch closet, SMB core, redundant fiber ring
Spare SKU	C9300-NM-4G= (orderable as spare)

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