



C9300-NM-8X DataSheet

Cisco C9300-NM-8X—hot-swap 8 × 10 G SFP+ module (80 Gbps) for Catalyst 9300/3850; add dense 10 G fiber uplinks without downtime in campus or data-edge closets.

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C9300-NM-8X Description

C9300-NM-8X network module instantly equips a Cisco Catalyst 9300 (and legacy 3850) chassis with eight 10-Gigabit SFP+ uplink ports. Installed tool-free into the front Type-1 bay, it delivers an aggregate 80 Gbps full-duplex bandwidth without requiring a chassis restart. Each cage supports 10GBASE-SR/LR/ER/ZR, copper 10G-T, or 1 G SFP optics, allowing flexible fiber or copper backbones. The module inherits all Secure Boot, Trust Anchor, and MACsec capabilities of the host switch and needs no additional licence—IOS XE auto-discovers the ports on insertion.

Quick Specs

C9300-NM-8X	Specification
Port count	8 × SFP+
Per-port speed	10 Gbps (1 Gbps supported)
Aggregate bandwidth	80 Gbps full-duplex
Module type	Cisco Type-1 hot-swappable network module
Optic support	10G-SR, LR, ER, ZR, 10G-T; 1G SFPs
Hot-swap	Supported—no reboot required
Host compatibility	Catalyst 9300 & 3850 modular-uplink models

Typical power draw	≈ 30 W (installed)
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Model comparison

Parameter	C9300-NM-8X	C9300-NM-2Q	C9300-NM-4M
Ports & speed	8 × 10 G SFP+	2 × 40 G QSFP+	4 × 10 G mGig (RJ-45)
Aggregate BW	80 Gbps	80 Gbps	40 Gbps
Media	Fiber (SFP+)	Fiber (QSFP+)	Copper (Cat 6a)
Use case	High-density 10 G edge	40 G aggregation	10 G copper back-haul

Specification

Cisco C9300-NM-8X Detailed Specifications	
Product Number	C9300-NM-8X
Module Category	Type-1 Network Module
Port Count	8
Form Factor	SFP+
Per-Port Speed	10 Gbps (1 Gbps fallback)
Total Bandwidth	80 Gbps full-duplex
Hot-Swap Capability	Yes - nondisruptive
Host Compatibility	Catalyst 9300 & 3850 modular-uplink switches
Optics Supported	10G-SR, LR, ER, ZR, 10G-T; 1 G SFP variants
Cabling Interfaces	LC duplex (fiber) / RJ-45 (10G-T)
Maximum Fiber Reach	Up to 80 km (ZR optic)
Typical Power Draw	≈ 30 W (module installed)
Operating Temperature	-5 °C to +45 °C (inherits chassis)

Cisco C9300-NM-8X Detailed Specifications

Storage Temperature	-40 °C to +70 °C
Relative Humidity	5 % - 90 % non-condensing
Regulatory Compliance	RoHS 5, FCC Class A, CE
EMC Certifications	EN 55032 Class A, CISPR 32
Safety Certifications	UL 60950-1, EN 62368-1
MTBF (projected)	> 1,200,000 hours
Warranty	Cisco Limited Lifetime
Spare SKU	C9300-NM-8X= (orderable as spare)
Deployment Examples	Dense Wi-Fi 6E edge, server farm top-of-rack, 10 G ring aggregation

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