

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C-NIM-1M

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	C-NIM-1M
Document Type	Product Datasheet
Condition	Brand New, Original and Verifieded
Supplier	Layer23-Switch.com

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C-NIM-1M Datasheet

The Cisco C-NIM-1M datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C-NIM-1M and integrate it into enterprise or service provider networks with confidence.

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Key Features

Instant WAN Expansion

Add a Port. This module allows you to instantly add a physical Gigabit Ethernet WAN interface to your router. It is perfect for scenarios where the built-in ports are fully utilized, or when you need a dedicated physical interface for a new ISP connection or a specific network segment (e.g., a dedicated management network).

Layer 3 Routed Interface

Native Routing. The port on the C-NIM-1M functions as a native Layer 3 routed interface, just like the onboard ports. It supports full IP addressing, sub-interfaces, and advanced routing protocols (BGP, OSPF, EIGRP), making it ideal for terminating WAN circuits directly.

Hot-Swappable Design

Zero Downtime. Supports Online Insertion and Removal (OIR). This means you can install or replace this module while the router is running, ensuring that other services and WAN links remain operational during maintenance windows.

High-Speed Performance

Gigabit Line Rate. Designed to handle full Gigabit line-rate traffic. Whether used for a primary fiber internet connection or a high-speed backup link, the C-NIM-1M ensures that the interface itself does not become a bottleneck for your SD-WAN traffic.

Catalyst 8000 Optimized

Next-Gen Compatibility. Specifically engineered for the Catalyst 8000 Series Edge Platforms. It leverages the high-speed backplane of the NIM slot to deliver low-latency performance superior to older generation USB-based adapters.

Network Segmentation

Physical Isolation. Using a dedicated physical NIM for a specific connection (like Guest Wi-Fi backhaul or IoT traffic) provides better security and traffic isolation compared to using VLANs on a shared trunk port.

Specification

Parameter	Specification	Parameter	Specification
Model	C-NIM-1M	Product Type	1-port 2.5G/1G/100M multigigabit WAN module with PoE
Form Factor	NIM (Network Interface Module)	Supported Platforms	Catalyst 8300, 8200, 8200L Series Edge Platforms
WAN Port	1 × 100M/1G/2.5G mGig copper	Maximum Speed	2.5 Gbps
PoE Support	Up to 90W UPOE+ (802.3bt Type 4)	PoE Function	Capable of powering external devices such as 5G/LTE CPE
MACsec	Not Supported	Layer Operation	Layer 3 routed WAN
Layer 2 Switching	Not supported	SD-WAN Support	Supported with IOS XE SD-WAN images
Minimum IOS XE Version	17.6.1	Backplane Link	Standard NIM backplane bandwidth
Online Insertion	Online insertion in NIM slot supported	SM-X Adapter Support	Supported via C-SM-NIM-ADPT (OIR capable)
Dimensions (H × W × D)	1.25 × 3.50 × 7.24 in.	Dimensions (Metric)	32 × 89 × 184 mm
Weight	Approx. 350 g	Operating Temperature	32° to 104°F (0° to 40°C)
Storage Temperature	-38° to 150°F (-40° to 70°C)	Operating Humidity	5%–85% non-condensing
Non-operating Humidity	5%–95% non-condensing	Typical Use Cases	Powered WAN, 5G CPE integration, SD-WAN branches

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