

BRAND NEW & VERIFIED



VERIFIED PRODUCT DATASHEET

C8375-E-G2

Cisco Network Hardware Specification, Availability and Quote Reference

Product Model	C8375-E-G2
Document Type	Product Datasheet
Condition	Brand New, Original and Verified
Supplier	Layer23-Switch.com

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C8375-E-G2 Datasheet

The Cisco C8375-E-G2 datasheet provides verified specifications, key features, and application scenarios. This document helps engineers and IT buyers quickly evaluate the C8375-E-G2 and integrate it into enterprise or service provider networks with confidence.

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Key Features

Hardware-Accelerated Security Engine

Features a dedicated secure networking processor engineered for fast cryptography and deep packet inspection, ensuring high-throughput data transmission while maintaining robust threat protection.

High-Performance SD-WAN & Routing

Achieves up to 20 Gbps of IPsec throughput and 12 Gbps of SD-WAN throughput, delivering the massive bandwidth required for large branch offices, high-definition video, and rich-media collaboration.

AI and ML Task Offloading

Optimized with hardware acceleration for Artificial Intelligence (AI) and Machine Learning (ML) tasks, guaranteeing faster response times for network analytics and intelligent traffic management.

Post-Quantum Cryptography (PQC) Ready

Future-proofs your branch security infrastructure by offering advanced, quantum-resistant encryption capabilities, protecting sensitive enterprise data from next-generation decryption threats.

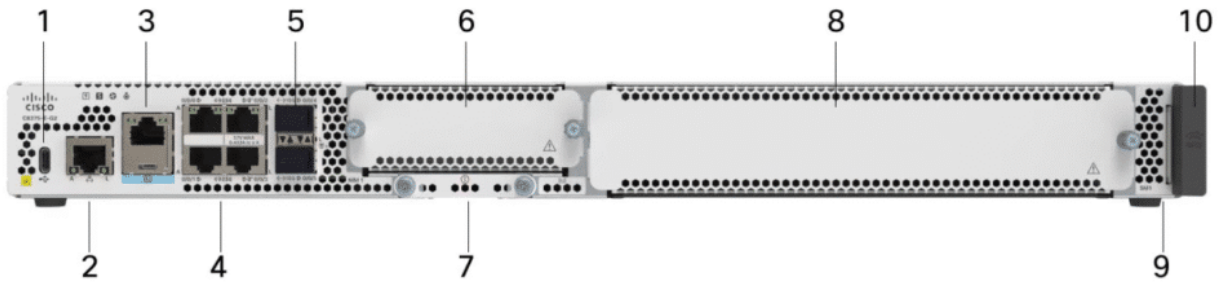
Flexible Modular Architecture

Designed with 1 SM slot, 1 NIM slot, and 1 PIM slot, allowing enterprises to customize their connectivity with LAN switching modules, DSL broadband interfaces, or 5G cellular backups as business requirements evolve

Unified Branch Connectivity

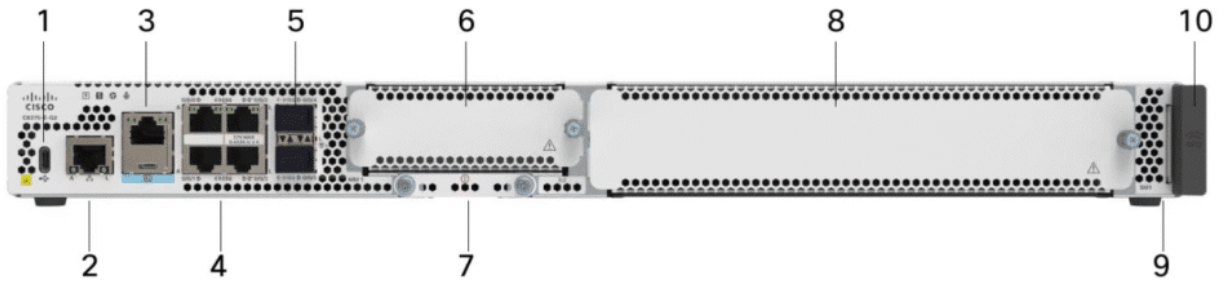
Seamlessly combines routing, SD-WAN, and NGFW security within a single platform, simplifying campus and branch infrastructure while drastically reducing the hardware footprint and management complexity.

Front Panel



Label	Description
1	USB 3.0 Type C Storage
2	Management RJ45 Port
3	Console RJ45 / Micro-USB Port
4	4 x 2.5G Multigigabit RJ45 Port
5	2 x 10G SFP/SFP+ Port
6	NIM Slot
7	M.2 Storage Slot (eUSB / SED)
8	SM Slot
9	Label Tray
10	RFID

Rear Panel



Label	Description
1	Power Supply Slot 1
2	Replaceable Fan Tray Assembly
3	PIM Slot
4	Power ON/OFF Switch
5	Power Supply Slot 0

Specification

Parameter	Details	Parameter	Details
Product Model	Cisco C8375-E-G2	Form Factor	1RU Modular
WAN/LAN Interfaces	2x 10GE, 4x 2.5GE	Expansion Slots	1x SM, 1x NIM, 1x PIM
Memory (DRAM)	16 GB (Fixed)	Storage (M.2)	16 GB (Default), up to 2 TB
Forwarding Throughput	38 Gbps (512B)	IPsec Throughput	20 Gbps (512B)
SD-WAN Throughput	12 Gbps (512B)	Threat Protection	7 Gbps (EMIX)
IPv4/IPv6 Routes	2,000,000	IPsec Tunnels	3,500
IPv4 ACLs / ACEs	4,000 / 20,000	NAT Sessions / VRFs	1,500,000 / 4,000
Default Power Supply	Dual 400W AC (Internal FRU)	Typical Power Consumption	55W (Default PSU, no modules)
Dimensions (H x W x D)	1.73 x 17.25 x 11.8 in	Weight	13.5 lbs (6.1 kg)

Want to Buy

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Why Layer23-Switch.com

As a leading network hardware supplier, Layer23-Switch.com focuses on original new ICT equipment of Cisco, H3C, Juniper, etc.

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