

PRODUCT OVERVIEW

The **Cisco Catalyst C8200L-1N-4T** is a 1RU 1G cloud-edge router designed for small to medium-sized branch offices. It offers 5G-ready cellular WAN integration, hardware-accelerated IPsec VPN performance, integrated security services, and seamless support for Cisco SD-WAN and traditional Cisco IOS XE environments.

SYSTEM & HARDWARE SPECIFICATIONS

Specification	Details / Value
Form Factor	1 Rack Unit (1RU) Desktop / Rack-Mountable
Fixed WAN/LAN Ports	4 x 1G RJ-45 Gigabit Ethernet Ports
NIM Slots	1 Network Interface Module (NIM) Slot
PIM Slots	1 Pluggable Interface Module (PIM) Slot (for 4G/5G Cellular)
IPsec VPN Throughput	Up to 500 Mbps
SD-WAN Performance	Up to 1 Gbps Aggregate Throughput
System RAM	8 GB DRAM (Default, expandable to 32 GB)
Storage	16 GB eMMC Flash (Supports M.2 NVMe SSD expansion)

Interfaces & Expansion

- **WAN Ports:** 4x 1G RJ-45 Copper
- **NIM Slot:** Supports T1/E1, Serial, DSL, Ethernet NIMs
- **PIM Slot:** Supports 4G LTE & 5G Cellular modules
- **Console Ports:** 1x RJ-45, 1x Micro-USB Console
- **USB:** 1x USB 3.0 Port

Power & Security Features

- **Power Supply:** Integrated AC Power Supply (External Option)
- **Power Consumption:** Maximum ~35W - 50W
- **Hardware Security:** Cisco Trust Anchor Module (TAM)
- **Edge Security:** Secure Boot, Unique Device Identifier (SUDI)

SOFTWARE ARCHITECTURE & OPERATING MODES

Operating System	Cisco IOS XE / Cisco IOS XE SD-WAN
Deployment Modes	Autonomous Mode (Traditional Routing) / Controller Mode (Cisco Catalyst SD-WAN)
Security Services	Zone-Based Firewall, Snort IPS, URL Filtering, Cisco Umbrella SASE
Automation & Cloud	Cisco vManage / Catalyst SD-WAN Manager, NETCONF, RESTCONF, Python