Cisco C8200-1N-4T-2X

DATASHEET

Catalyst 8200 Series Edge Router (10G Uplink)

PRODUCT OVERVIEW

The **Cisco Catalyst C8200-1N-4T-2X** is a premium 1RU cloud-edge router designed for medium-to-large branch offices. Featuring **2 x 10G SFP+ uplinks** in addition to 4 x 1G ports, it delivers high-speed WAN connectivity, hardware-accelerated IPsec VPN performance, integrated security services, and seamless support for Cisco SD-WAN environments.

SYSTEM & HARDWARE SPECIFICATIONS

SPECIFICATION	DETAILS / VALUE
Form Factor	1 Rack Unit (1RU) Rack-Mountable
Fixed WAN/LAN Ports	2 x 10G SFP+ Ports + 4 x 1G RJ-45 Gigabit Ports
NIM Slots	1 Network Interface Module (NIM) Slot
PIM Slots	1 Pluggable Interface Module (PIM) Slot (for 4G LTE/5G Cellular)
IPsec VPN Throughput	Up to 1 Gbps (Hardware Accelerated)
SD-WAN Throughput	Up to 3.8 Gbps Aggregate Throughput
System Memory (RAM)	16 GB DRAM (Default, expandable to 32 GB / 64 GB)
Storage	16 GB eMMC (Supports M.2 NVMe SSD expansion)

Interfaces & Expansion

- **10G Uplinks:** 2x 10G SFP+ Fiber/Copper ports
- **1G Ports:** 4x 1G RJ-45 Copper ports
- **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

Power & Hardware Security

- **Power Supply:** Internal AC Power Supply (DC option available)
- **Power Usage:** Typical ~45W, Max ~90W
- **Hardware Security:** Cisco Trust Anchor Module (TAM)
- **App Hosting:** Cisco Application Hosting (Docker/LXC)

SOFTWARE ARCHITECTURE & OPERATING MODES

Operating System	Cisco IOS XE / Cisco IOS XE SD-WAN
Deployment Modes	Autonomous Mode (Traditional IOS XE) / Controller Mode (Catalyst SD-WAN)
Advanced Security	Zone-Based Firewall, Snort IPS, URL Filtering, Advanced Malware Protection (AMP)
Management & Analytics	Catalyst SD-WAN Manager (vManage), ThousandEyes Agent Hosting, REST APIs