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Overview

The Cisco Catalyst 8200 Series Edge Platforms are 5G-ready cloud edge platforms designed for Secure Access Service Edge (SASE), multilayer security, and cloud-native agility to accelerate your journey to the cloud. The 8200 Series is well suited for small and medium-sized enterprise branch offices at optimal price/performance with integrated SD-WAN services. C8200-1N-4T for the small to medium-sized branch with requirements for higher throughput, scale, and service flexibility. In addition to supporting SASE-compliant cloud-based security services, the C8200-1N-4T also delivers a flexible system of best-in-class, on-premises security services through container-based apps, using Cisco's third-party ecosystem.

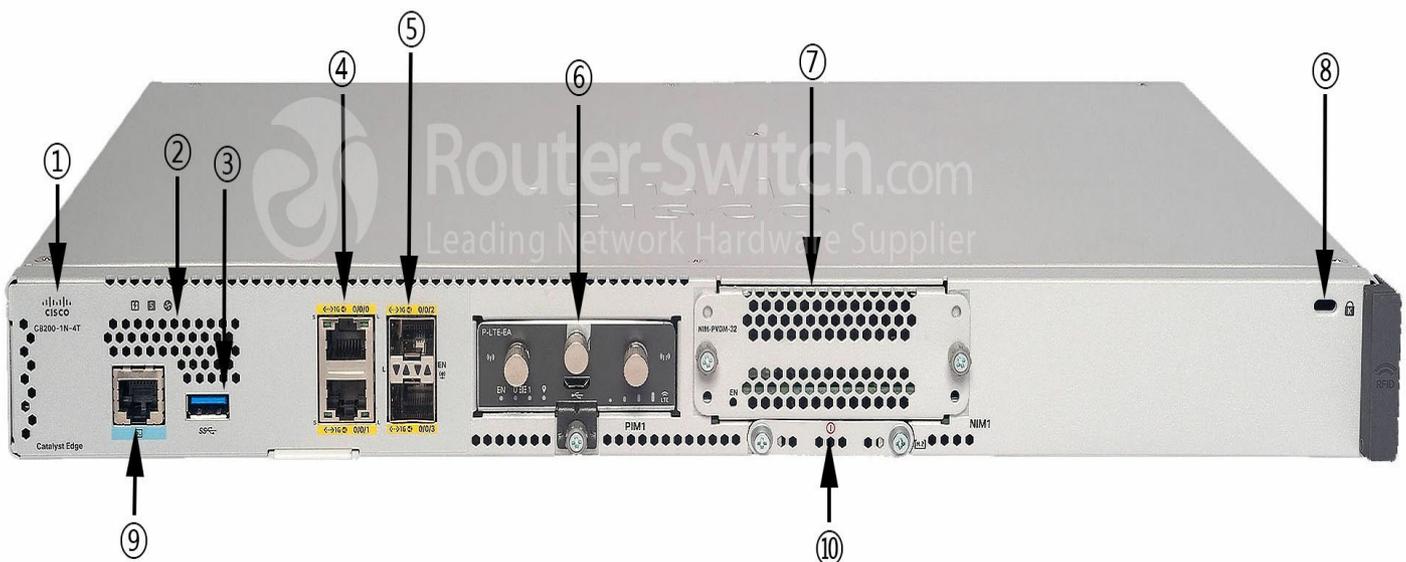
Quick Specs

Table 1 shows the Quick Specs.

Part number	C8200-1N-4T
Description	C8200 1RU w/ 1 NIM slot and 4x 1 Gigabit Ethernet WAN ports
Multicore processors	Intel x86 CPU with 8 GB memory default
Embedded IPsec VPN hardware acceleration	up to 1 Gbps IPsec traffic
DRAM	8 GB
SD-WAN overlay tunnels scale	2500
Integrated Gigabit Ethernet ports	4 built-in Ethernet WAN ports 2 SFP Ethernet ports, 2 RJ45 ports
Flash memory support	8-GB flash
M.2 storage	Default 16G M.2 storage can be upgraded to 32G M.2 USB and 600G M.2 NVMe Storage

Product Details

Figure 1 shows the back panel of the Cisco C8200-1N-4T.



Note:

(1)	Logo	(6)	LTE module (PIM)
(2)	Status LEDs	(7)	NIM Module

(3)	USB	(8)	Kensington lock
(4)	RJ-45 ports GE0/0/0-0/0/1	(9)	RJ-45 Console
(5)	Gigabit Ethernet ports GE0/0/2 - 0/0/3(SFP)	(10)	M.2 USB/NVMe storage

Overall platform benefits

•Accelerated services with Cisco Software-Defined WAN

Cisco SD-WAN is a set of intelligent software services that allow you to connect users, devices, and branch office locations reliably and securely across a diverse set of WAN transport links. The Cisco Catalyst 8000 Edge Platforms Family can dynamically route traffic across the “best” link based on up-to-the-minute application and network conditions for great application experiences. With Cisco SD-WAN you get tight control over application performance, bandwidth usage, data privacy, and availability of your WAN links. This control is critical as branches conduct greater volumes of mission-critical business using both on-premises and cloud controllers.

•Application performance optimization

Ensure that SD-WAN networks meet Service-Level Agreements (SLAs) and maintain strong performance, even if network problems occur. With branch multi-cloud access, you can accelerate your Software-as-a-Service (SaaS) applications with a simple template push from the SD-WAN controller. Features such as TCP optimization, Forward Error Correction (FEC), and packet duplication enhance application performance for a better user experience.

•Multilayer security

You can now move your traditional and complex WAN networks into an agile, software-defined WAN with integrated security. The Catalyst 8200 Series Edge Platforms connect branch offices to the internet and cloud with industry-leading protection against major web attacks. Secure Direct Internet Access (DIA) from the branches helps optimize branch workloads for improved performance, specifically for cloud-hosted applications. At the same time, secure DIA helps ensure that your branch is protected from external threats.

•Cloud-native agility with a programmable software architecture

Cisco continues to offer a feature-rich traditional Cisco IOS XE routing stack on the Catalyst 8200 Series. IP routing, IPsec, QoS, firewall, NAT, Network-Based Application Recognition (NBAR), Flexible NetFlow (FNF), and many other features are part of Cisco IOS XE, a fully programmable software architecture with API support and a wide variety of protocols and configurations. With an integrated software image and a single binary file, you can now choose between Cisco IOS XE SD-WAN and Cisco IOS XE. And you can easily move from one to the other when you choose to do so.

•5G-ready

The Catalyst 8200 Series Edge Platforms are built for future 5G networks. With the higher throughputs from Cat18 LTE and 5G, wireless WAN solutions are becoming feasible options for primary transport use cases. These platforms will support both integrated pluggable modules as well as external cellular gateways with Cat18 LTE and 5G capability for improved throughput that addresses those use cases. Either an integrated or external gateway can be chosen based on a specific branch’s cellular coverage.

Compare to Similar Items

Table 3 shows the comparison.

Product Code	C8200-1N-4T	C8200L-1N-4T
Product Description	C8200 1RU w/ 1 NIM slot and 4x 1 Gigabit Ethernet WAN ports	C8200L 1RU w/ 1 NIM slot and 4x 1 Gigabit Ethernet WAN ports
Multicore processors	Intel x86 CPU with 8 GB memory default	Intel x86 CPU with 4 GB memory default
Embedded IPsec VPN hardware acceleration	up to 1 Gbps IPsec traffic	up to 500 Mbps IPsec traffic
DRAM	8 GB	4 GB
SD-WAN overlay tunnels scale	2500	1500
IPv4 forwarding throughput (1400 bytes)	Up to 3.8 Gbps	Up to 3.8 Gbps
IPsec throughput (1400 bytes, clear text**)	Up to 1 Gbps	Up to 500 Mbps
Number of IPsec static virtual tunnel interface (SVTI) tunnels	2500	1500

Get More Information

Do you have any question about the CiscoC8200-1N-4T?

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Specification

C8200-1N-4T Specification	
Description	C8200 1RU w/ 1 NIM slot and 4x 1 Gigabit Ethernet WAN ports
Multicore processors	Intel x86 CPU with 8 GB memory default
Embedded IPsec VPN hardware acceleration	up to 1 Gbps IPsec traffic
SD-WAN overlay tunnels scale	2500
Integrated Gigabit Ethernet ports	4 built-in Ethernet WAN ports 2 SFP Ethernet ports, 2 RJ45 ports
Flash memory support	8-GB flash
Power supply	AC power supply
Modularity and form factor	1-Rack Unit (1RU) form factor Supports NIM and Pluggable Interface Module (PIM) slots
1G port density	4
Slots	1 NIM 1 PIM
DRAM	8 GB
Storage (M.2 SSD) default	16 GB
IPv4 forwarding throughput (1400 bytes)	Up to 3.8 Gbps
IPsec throughput (1400 bytes, clear text**)	Up to 1 Gbps
Number of IPsec static virtual tunnel interface (SVTI) tunnels	2500
Number of access control lists (ACLs) per system	4000
Number of IPv4 access control entries (ACEs) per system	72,000
Number of IPv4 routes	1.6M with default 8 GB, up to 4M with 32 GB
Number of IPv6 routes	1.5M with default 8 GB, up to 4M with 32 GB
Number of queues	16,000
Number of Network Address Translation (NAT) sessions	1.2M with default 8 GB, up to 2M with 32 GB
Number of firewall sessions	512,000
Number of Virtual Route Forwarding (VRF) instances	4000

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