



C8200-1N-4T DataSheet

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C8200-1N-4T Description



The Cisco C8200-1N-4T is a next-generation enterprise SD-WAN and cloud edge router, purpose-built to deliver secure, high-performance WAN connectivity for distributed branches and hybrid work environments. Featuring a compact 1RU chassis, the C8200-1N-4T combines two 1G SFP fiber ports and two 1G RJ45 copper ports, providing flexible WAN and LAN options for both traditional and modern network deployments. Its modular design allows easy expansion with a NIM slot for Ethernet, serial, DSL, or voice interfaces, and a PIM slot supporting LTE/5G modules—enabling seamless migration to 4G or 5G wireless WAN connectivity. With up to 1Gbps encrypted SD-WAN/IPsec throughput and support for up to 2,500 overlay tunnels, the C8200-1N-4T empowers organizations to implement secure direct internet access (DIA), scalable cloud interconnects, and reliable hybrid WAN solutions. Powered by Cisco IOS XE, the platform delivers advanced network automation, zero-touch provisioning, and centralized SD-WAN management for simplified operations and faster deployment.

Product Highlights

IPsec Throughput(IMIX)

Gigabit Ethernet ports

DRAM

Product Comparison

Parameter	C8200-1N-4T	C8200L-1N-4T	C8300-1N1S-4T2X
Form Factor	1RU	1RU	1RU
10G Ports	None	None	2 x SFP+
1G Ports	2 x SFP, 2 x RJ45	2 x SFP, 2 x RJ45	4 x RJ45, 2 x SFP+
NIM Slots	1	1	1
PIM Slot	1	1	1
SM Slots	None	None	1
Default DRAM	8 GB	4 GB	8 GB
Max SD-WAN IPsec Throughput	Up to 1Gbps	Up to 500Mbps	Up to 17Gbps (1400B)
SD-WAN Tunnels	2500	1500	6000
Power Supply	Internal (fixed AC)	Internal (fixed AC)	Dual, hot swap (AC/DC)
Dimensions (HxWxD)	1RU	1RU	1RU

Specification

Parameter	Specification	Parameter	Specification
Form Factor	1RU rack-mount	Chassis Type	Modular Edge Router
Embedded 1G SFP Ports	2 x 1G SFP	Embedded 1G RJ45 Ports	2 x 1G RJ45 (Layer 3)
Network Interface Module (NIM) Slot	1	Pluggable Interface Module (PIM) Slot	1
Default DRAM	8 GB DDR4 (up to 32 GB)	Default Storage	16 GB M.2 (up to 600 GB NVMe)
Onboard Flash	8 GB (not upgradable)	CPU Cores	8-core
SD-WAN IPsec Throughput (1400B)	Up to 1Gbps	SD-WAN IPsec Throughput (IMIX)	900Mbps

Parameter	Specification	Parameter	Specification
SD-WAN Overlay Tunnels	2500	Max Firewall Sessions	512,000
Max NAT Sessions	1.2M (8GB), 2M (32GB)	Max VRF Instances	4000
Max ACLs per System	4000	Max IPv4 ACEs	72,000
Max IPv4 Routes	1.6M (8GB), 4M (32GB)	Max IPv6 Routes	1.5M (8GB), 4M (32GB)
Operating Temperature	0°C to 40°C	Operating Humidity	10% to 90% (non-condensing)
Altitude (Operating)	Up to 10,000 ft (40°C)	Fans	Internal, fixed
Power Supply	Internal, fixed (AC)	Redundancy	No (single PSU)
Module Support	NIM, PIM, LTE/5G, serial, voice	Voice Module Support	FXS, FXO, DSP, ISDN, CUBE
Management Ports	RJ45 Console, Micro-USB Console, USB 3.0	Compliance	UL, FCC, CE
Security Features	NGFW, IPS/IDS, URLF, AMP, MACsec, SASE	Programmability	IOS XE, API, SD-WAN Manager
Physical Dimensions	See datasheet	Weight	Depends on config
Rack Mounting Options	19" kits	Asset Management	External RFID, QR code label

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