

C8200-1N-4T-V

1RU fixed edge platform with voice, 4x 1GE (2 RJ-45 + 2 SFP) + 1 NIM, voice DSP via NIM-PVDM, IOS XE 17.x+ SD-WAN / routing capable.

Cisco Catalyst 8200 Series Edge Platform (Voice SKU)

The Cisco Catalyst 8200 Series is the next-generation 1RU fixed-form-factor edge platform for SD-WAN, routing, and security services at branch and small campus sites. The C8200-1N-4T-V variant ships with four 1-Gigabit fixed ports (2 RJ-45 + 2 SFP) and one NIM expansion bay. Voice capability is delivered via an optional NIM-PVDM DSP module - the underlying platform supports voice when the appropriate PVDM is installed. The official Cisco orderable PID is C8200-1N-4T; the -V site suffix indicates a voice bundle. The platform delivers up to 3.8 Gbps IPsec throughput, runs Cisco IOS XE 17.x+, and supports both autonomous and SD-WAN deployments.

Specification	Value
Form factor	1RU fixed edge platform, Catalyst 8200 Series
Fixed ports	4x 1 Gigabit (2 RJ-45 + 2 SFP)
Expansion bays	1x NIM
IPv4 forwarding	Up to 13.7 Gbps (1400 B, autonomous mode)
IPsec throughput	Up to 3.8 Gbps (1400 B)
SD-WAN IPsec throughput	Up to 3.5 Gbps (IMIX)
IPsec tunnels	3,000 (autonomous IPsec SVTI)
Overlay tunnels	3,000 (SD-WAN)
Routes	1.6M IPv4 / 1M IPv6 (default 8 GB DRAM)
VRF instances	4,000
NAT / firewall sessions	1.2M / 2M NAT (default / 32 GB)
CPU	Intel x86 8-core
DRAM / flash / SSD	8 GB (max 32 GB) / 16 GB M.2 (default, up to 32 GB)
Software	Cisco IOS XE 17.x minimum (autonomous / SD-WAN / SD-Routing)
Power supplies	Dual redundant AC/DC PSU by default
Voice	Voice DSP via NIM-PVDM modules
Warranty	Standard Cisco hardware warranty (Solution Support / SNTC available)

- 1RU fixed platform with 4x 1 Gigabit fixed ports (2 RJ-45 + 2 SFP).
- 1 NIM expansion bay for cellular, TDM, or additional WAN modules.
- Up to 3.8 Gbps IPsec throughput with hardware crypto acceleration.
- Voice-enabled via NIM-PVDM DSP modules on the NIM slot.
- Runs Cisco IOS XE 17.x+ in autonomous, SD-WAN (Catalyst SD-WAN), or SD-Routing modes.
- Dual 1+1 redundant AC/DC power supplies ship by default.

- Replacement for legacy ISR 4400 series platforms in similar sites.

Throughput figures are measured under specific test conditions with 1400-byte packets unless otherwise noted. Production performance varies with feature configuration and traffic mix.

Specification	C8200-1N-4T-V
IPv4 forwarding	Up to 13.7 Gbps (1400 B, autonomous mode)
IPsec throughput	Up to 3.8 Gbps (1400 B)
SD-WAN IPsec throughput	Up to 3.5 Gbps (IMIX)
IPsec tunnels	3,000 (autonomous IPsec SVTI)
Overlay tunnels	3,000 (SD-WAN)
Routes	1.6M IPv4 / 1M IPv6 (default 8 GB DRAM)
NAT / firewall sessions	1.2M / 2M NAT (default / 32 GB)
VRF instances	4,000
DRAM (default / max)	8 GB / 32 GB
Storage	16 GB M.2 (default) / up to 32 GB

Voice DSP is delivered through the NIM-PVDM module installed in the platform's NIM slot. Cisco IOS XE voice configuration enables voice gateway, SRTP, and dial-peer services when the appropriate voice feature licenses and PVDM DSP are present.

Module / Capability	Description
NIM-PVDM-32	32-channel voice DSP module
NIM-PVDM-64	64-channel voice DSP module
NIM-PVDM-128	128-channel voice DSP module
NIM-PVDM-256	256-channel voice DSP module
Voice protocols	SIP, H.323, MGCP, SCCP, TDM-to-SIP gateway
DSP features	G.711 / G.729 / G.722 codecs, transcoding, conferencing
Voice license	Cisco IOS XE Unified Communications feature license
TDM interfaces	Via TDM NIM modules (NIM-1T1E1, NIM-2T1E1, NIM-4BRI, etc.)

This product complies with the following standards and certifications. Actual compliance marks are listed on the product nameplate and in the official Cisco regulatory compliance and safety information document for the specific product family.

Category	Standard / Certification
Safety	UL 60950-1 / UL 62368-1, EN 60950-1 / EN 62368-1, IEC 60950-1 / IEC 62368-1, AS/NZS 60950.1
EMC emissions	FCC Part 15 (CFR 47) Class A, ICES-003 Class A, EN 55032 Class A, AS/NZS CISPR32 Class A
EMC immunity	EN 55024 / EN 55035, CISPR 24 / CISPR 35
Telecom	TIA-968-A (where applicable), CS-03 (Canada)
Environmental	RoHS 6/6, REACH, WEEE Directive 2012/19/EU
NEBS	NEBS Level 3 (selected platforms; consult product-specific NEBS document)
Power	ENERGY STAR qualified PSU on selected SKUs; 80 PLUS Platinum efficiency
Packaging	EU Directive 94/62/EC on packaging and packaging waste
Country of origin	See product packaging label for country of manufacture

Cisco products are covered by the Cisco Limited Warranty. Standard hardware warranty terms and Cisco Smart Net Total Care service contract options are described at www.cisco.com/go/warranty. Service availability varies by region; consult your Cisco account team or authorized partner for the service offerings applicable to your country.

Service	Description
Hardware warranty	90 days from date of shipment (standard)
Return material authorization	Required for all hardware returns
Smart Net Total Care	24x7 TAC, software updates, hardware replacement, online tools
Solution Support	Coordinated support for multi-vendor solutions
Professional services	Cisco Services for design, deployment, and migration
On-site engineer	Available with selected service contract tiers
Spare parts RMA	Advance replacement available on selected tiers
End-of-life policy	Refer to www.cisco.com/c/en/us/products/eos-eol-policy.html

To place an order, contact your Cisco account team or authorized Cisco partner. Provide the part number and quantity required. Some SKUs are region-specific or require a smart account / smart license for activation. Software subscriptions and term licensing are sold separately unless noted in the product bundle.

Item	Notes
Main product SKU	C8200-1N-4T-V
Bundle ID	Consult Cisco Commerce Workspace for current bundles

Item	Notes
Power cable	Select appropriate regional power cable at order time
Software subscription	Cisco DNA / IOS XE / FTD term licenses sold separately
Spare SKU	Refer to product-specific spare parts list
Lead time	Confirm with order management at time of order
Min order qty	Typically 1 unit; volume pricing available
Trade-in / refresh	Cisco Refresh / trade-in programs may apply

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Performance figures quoted are measured under specific test conditions and represent peak laboratory results. Actual performance in production environments will vary depending on traffic mix, packet size, feature configuration, hardware revision, and software version. Throughput and session numbers may decrease when optional features are enabled.

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Field	Value
Document title	C8200-1N-4T-V Technical Datasheet
Document version	v1.0
Publication date	September 2026
Source publisher	LinkNewNet (authorized Cisco partner)
Distribution	Public
Language	English
Contact	sales@linknewnet.com
Website	www.linknewnet.com

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Publication date	September 2026
Source publisher	LinkNewNet (authorized Cisco partner)
Distribution	Public
Language	English
Contact	sales@linknewnet.com
Website	www.linknewnet.com