

Cisco Catalyst 8200-1N-4T (C8200-1N-4T)

Cisco Catalyst 8200-1N-4T - Router 1GbE - rack-mountable

The Cisco Catalyst 8200 Series Edge Platforms are 5G-ready, cloud edge platforms designed for SASE, multi-layer security and cloud-native agility to accelerate your journey to cloud.



Key Selling Points

- SD-WAN IPsec throughput up to 1 Gbps for high-speed data transfer
- Supports a comprehensive suite of encryption algorithms for enhanced security
- Advanced networking features including QoS and Flexible NetFlow for optimized network performance
- Flexible expansion options with NIM and PIM slots for network scalability
- Reliable operation with a high MTBF and compliance with numerous standards

Product Features

- Robust security**
Equipped with a suite of encryption algorithms including 256-bit AES-GCM, DES, and Triple DES, this router ensures secure data transmission across your network, safeguarding sensitive information against unauthorized access.
- High performance**
With SD-WAN IPsec throughput of up to 1 Gbps and IPv4 forwarding throughput for 1400-byte packet size at 900 Mbps, the Cisco Catalyst 8200-1N-4T router delivers high-speed data transfer and efficient network performance, making it ideal for demanding business applications.
- Comprehensive networking capabilities**
Supports a wide range of networking protocols including BGP, OSPF, and EIGRP, alongside advanced features like Quality of Service (QoS), Flexible NetFlow (FNF), and Application Visibility and Control (AVC), providing the tools needed for sophisticated network management and optimization.
- Flexible connectivity**
This router offers various expansion options with NIM and Pluggable Interface Module (PIM) slots, allowing for customization and scalability to meet the evolving demands of your network infrastructure.
- Durable and reliable**
Designed for longevity with a mean time between failures (MTBF) of 692,577 hours and compliance with multiple safety and environmental standards, ensuring a dependable networking solution for your business.

Main specifications

Product Description	Cisco Catalyst 8200-1N-4T - router - rack-mountable
Device Type	Router
Enclosure Type	Rack-mountable - 1U
Data Link Protocol	Gigabit Ethernet
Performance	IPsec throughput (1400Bytes, clear text): 1 Gbps SD-WAN IPsec throughput (IMIX, clear text): 900 Mbps IPv4 forwarding throughput (1400-byte packet size): 6 Gbps
Capacity	SD-WAN overlay tunnels scale: 4000 IPsec SVTI tunnels: 4000 Access Control Entries (ACEs) per system (IPv4): 72000 IPv4 routes: 1600000 IPv6 routes: 1500000 Queues: 16000 NAT sessions: 1200000 Firewall sessions: 512000 Virtual Routing and Forwarding (VRF) entries: 4000
Network / Transport Protocol	IPSec, NTP, DNS, DHCP, RSVP, RTCP, PPPoE, L2TPv3
Routing Protocol	Policy-based routing (PBR), GRE, OSPF, BGP, VRRP, MPLS, OSPFv3, RIP, RIP-2, EIGRP, IS-IS, IGMPv3, HSRP, DVMRP, Bidirectional Forwarding Detection (BFD)
Remote Management Protocol	OMP, SNMP, SCP
VoIP Protocols	SRTP
Features	URL filtering, AAA, QoS, CoS, FEC, HQoS, WRED, FNF, NBAR, AAR, DTLS, DHCP client, DHCP server, Syslog support, NAT support, PAT support, ACL support, BFD, CAC, IVR, SAF, CBWFQ, HDLC, MLFR, MLPPP, PPP, PIM, SSM, ERSPAN, Cisco IPSLA, EEM, EVC, AVC, SUDI
Compliant Standards	IEEE 802.1Q, IEEE 802.1ag, IEEE 802.3ah
Power	AC 120/230 V (50/60 Hz)
Dimensions (WxDxH)	43.8 cm x 30 cm x 4.39 cm

Weight	4.54 kg
System Requirements	Cisco IOS XE 17.4.1

Extended specification

General

Device Type	Router
Enclosure Type	Rack-mountable - 1U
Connectivity Technology	Wired
Data Link Protocol	Gigabit Ethernet
Performance	IPsec throughput (1400Bytes, clear text): 1 Gbps SD-WAN IPsec throughput (IMIX, clear text): 900 Mbps IPv4 forwarding throughput (1400-byte packet size): 6 Gbps
Capacity	SD-WAN overlay tunnels scale: 4000 IPsec SVTI tunnels: 4000 Access Control Entries (ACEs) per system (IPv4): 72000 IPv4 routes: 1600000 IPv6 routes: 1500000 Queues: 16000 NAT sessions: 1200000 Firewall sessions: 512000 Virtual Routing and Forwarding (VRF) entries: 4000
Network / Transport Protocol	IPSec, NTP, DNS, DHCP, RSVP, RTCP, PPPoE, L2TPv3
Routing Protocol	Policy-based routing (PBR), GRE, OSPF, BGP, VRRP, MPLS, OSPFv3, RIP, RIP-2, EIGRP, IS-IS, IGMPv3, HSRP, DVMRP, Bidirectional Forwarding Detection (BFD)
Remote Management Protocol	OMP, SNMP, SCP
Encryption Algorithm	PKI, 256-bit AES-CBC, 256-bit AES-GCM, IKE, 2048-bit RSA, ECDSA 256-bit, ECDSA 384-bit, ESP, HMAC, SHA-1, SHA-2, TLS, DES, 1024-bit RSA, 128-bit AES, 256-bit SHA, 384-bit SHA, 512-bit SHA, 748-bit RSA, MD5, Triple DES
Authentication Method	Secure Shell (SSH), RADIUS
Features	URL filtering, AAA, QoS, CoS, FEC, HQoS, WRED, FNF, NBAR, AAR, DTLS, DHCP client, DHCP server, Syslog support, NAT support, PAT support, ACL support, BFD, CAC, IVR, SAF, CBWFQ, HDLC, MLFR, MLPPP, PPP, PIM, SSM, ERSPAN, Cisco IPSLA, EEM, EVC, AVC, SUDI
Compliant Standards	IEEE 802.1Q, IEEE 802.1ag, IEEE 802.3ah, UL 60950-1, CAN/CSA C22.2 No. 60950-1, EN 60950-1, IEC 60950-1, AS/NZS 60950-1, IEC/EN 60825, FDA, FCC CFR47 Part 15 A, ICES-003 Class A, AS/NZS CISPR 32 Class A, CISPR 32 Class A, VCCI-CISPR 32:2016 Class A, CNS 13438 Class A, EN 61000-3-2, IEC 61000-3-2, KN32 Class A, IEC/EN 61000-3-3, EN 300 386, EN 55032, EN 55035, EN 61000-6-1, EN55024, IEC/EN 61000-4-11, IEC/EN 61000-4-2, IEC/EN 61000-4-3, IEC/EN 61000-4-4, IEC/EN 61000-4-5, IEC/EN 61000-4-6, IEC/EN 61000-4-8, KN35
Processor	Intel
RAM	8 GB (installed) / 32 GB (max)
Flash Memory	8 GB
Hard Drive	16 GB

Expansion / Connectivity

Interfaces	WAN: 4 x Ethernet 1000
Expansion Slots	1 (total) / 1 (free) x NIM 1 (total) / 1 (free) x Pluggable Interface Module (PIM)
Installed Modules Qty (Max)	0 (installed) / 2 (max)

Miscellaneous

MTBF	692,577 hours
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Power

Power Device	Internal power supply - 100 watt
Installed Qty	1 (max)
Voltage Required	AC 120/230 V (50/60 Hz)

Software / System Requirements

OS Required	Cisco IOS XE 17.4.1
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Environmental Parameters

Min Operating Temperature	0 °C
Max Operating Temperature	40 °C
Humidity Range Operating	5 - 85% (non-condensing)

Dimensions & Weight

Width	43.8 cm
Depth	30 cm
Height	4.39 cm
Weight	4.54 kg

IP Telephony

VoIP Protocols	SRTP
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