

CISCO CATALYST 8200 SERIES EDGE PLATFORMS & UCPE

C8200-1N-4T

2x1G SFP + 2x1G RJ45 WAN · 1 NIM + 1 PIM Slots · 8-Core Edge Router

New, factory-sealed · 3-year LSCare warranty · Ships from Hong Kong and US stock



Product Model	C8200-1N-4T
Category	Cisco Catalyst 8200 Series Edge Platforms & uCPE
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



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The C8200-1N-4T is a Cisco Catalyst 8200 Series Edge Platform for small and medium-sized branch offices that need SD-WAN routing and security inspection on one 1RU router. An 8-core CPU, 8 GB of DRAM and a 16 GB M.2 USB drive come installed, and SD-WAN IPsec runs at up to 1 Gbps with 1400-byte packets.

New, factory-sealed · [3-year LSCare warranty](#) · [14-day returns](#) · [Cisco SN check before shipment](#)

Specifications

Product ID	C8200-1N-4T	Form factor	1RU
Embedded WAN ports	2 x 1G SFP (GE0/0/2-0/0/3) and 2 x 1G RJ-45 (GE0/0/0-0/0/1)	RJ-45 port speeds	10BASE-T, 100BASE-TX, 1000BASE-T
SFP port support	1 Gbps SFP modules; ISR4000-supported SFPs except 100 Mbps SFPs	NIM slots	1
PIM slots	1, for LTE CAT4, CAT6, CAT7, CAT18 and 5G pluggables	Service module slots	Not supported
Console port	RJ-45	USB port	1 x Type-A USB 3.0
Out-of-band management port	Not available; no GigabitEthernet0 interface	CPU	8-core
Memory (DRAM) default	8 GB (MEM-C8200-8GB)	DRAM upgrade options	16 GB or 32 GB, single DIMM
Data plane DRAM	2 GB, fixed	Onboard flash	8 GB, not upgradable
Storage (M.2) default	16 GB M.2 USB (M2USB-16G)	M.2 storage options	32 GB M.2 USB; 600 GB M.2 NVMe
SD-WAN IPsec Throughput (1400 Bytes)	Up to 1 Gbps	SD-WAN IPsec Throughput with IQDF (1400 Bytes)	Up to 1 Gbps
SD-WAN IPsec Throughput (IMIX)	900 Mbps	SD-WAN IPsec Throughput with IQDF (IMIX)	850 Mbps
SD-WAN Overlay Tunnels scale	2,500	50% IQDF + 50% DIA w. NAT + NGFW + IPS + URLF + AMP	950 Mbps (IOS XE 17.12.2, firewall EMIX profile)
DIA w. NAT + NGFW + IPS + URLF + AMP	980 Mbps (IOS XE 17.12.2, firewall EMIX profile)	IPv4 Forwarding Throughput (1400 Bytes)	Up to 3.8 Gbps
IPsec Throughput (1400 Bytes)	Up to 1 Gbps	IPsec Throughput (IMIX)	900 Mbps
Number of IPsec SVTI Tunnels	2,500	Number of ACLs per system	4,000
Number of IPv4 ACEs per system	72K	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	8K
Number of NAT Sessions	1.2M with default 8 GB; up to 2M with 32 GB	Number of Firewall Sessions	512K
Number of VRFs	4,000	Container-based applications	KVM-based containers on up to 3 cores in service plane heavy mode
Controller-mode security	Segmentation (VPNs), ZBFW, PKI, Cisco DNA Layer Security, Snort IPS/IDS, URL filtering, Secure Malware Defense, Secure Malware Analytics, ALG for ZBFW, SIG	Crypto acceleration	Intel QuickAssist Technology (QAT)
VPN technologies	FlexVPN, DMVPN, GETVPN, Easy VPN Server	Software modes	Autonomous (Cisco IOS XE) or controller (Catalyst SD-WAN) from one image
Minimum software release	Cisco IOS XE 17.4.1	Minimum SD-Routing release	17.12.1a
Programmability	NETCONF, RESTCONF, YANG; Python in autonomous mode	Default power supply	PWR-CC1-100WAC 100W AC, integrated, not field replaceable
Redundant power supply	Not supported	Default PoE budget	None; the integrated PWR-CC1-100WAC carries no PoE
PoE budget with PWR-CC1-150WAC	150W from the external supply, for PoE-capable NIMs	Input voltage	90 to 264 VAC, 47 to 63 Hz
Power supply efficiency	85% (default); average 89% (PWR-CC1-150WAC)	Input current	1.5A max (default); 2A max (PWR-CC1-150WAC)
Output ratings	12V 8.4A (default); 54V 2.78A (PWR-CC1-150WAC)	Output holdup time	20 ms (default); 10 ms (PWR-CC1-150WAC)
Power supply input receptacles	IEC 320 C14	Power cord rating	10A
Typical power, no modules	35W	Fans	Two internal fixed fans; speed set by temperature and pressure sensors
Operating temperature	32 to 104°F (0 to 40°C)	Storage temperature	-40 to 150°F (-40 to 70°C)
Relative humidity, operating	5% to 85% noncondensing	Relative humidity, nonoperating	5% to 95% noncondensing
Altitude	0 to 10,000 ft (0 to 3050 m)	Sound pressure (typical/maximum)	54 dBA / 69 dBA
Sound power (typical/maximum)	68 dBA / 80 dBA	Dimensions (H x W x D)	1.73 x 17.25 x 11.8 in. (4.39 x 43.81 x 29.97 cm)
Chassis weight	10 lb (4.54 kg)	Safety certifications	UL 60950-1; CAN/CSA-C22.2 No. 60950-1; EN 60950-1; IEC 60950-1; AS/NZS 60950-1; IEC/EN 60825 laser safety; FDA CFR laser safety
EMC (emissions)	47 CFR Part 15 Class A; ICES 003 Class A; AS/NZS CISPR 32 Class A; CISPR 32 Class A; EN55032 Class A; VCCI-CISPR 32 Class A; CNS-13438 Class A; KN32 Class A; IEC/EN 61000-3-2; IEC/EN 61000-3-3	EMC (immunity)	IEC/EN 61000-4-2, 61000-4-3, 61000-4-4, 61000-4-5, 61000-4-6, 61000-4-8, 61000-4-11; KN35
EMC (ETSI/EN)	EN300 386; EN55032; EN55024; EN55035; EN61000-6-1	Security certifications	FIPS 140-2 Level 1; Common Criteria
NEBS	Not certified	Mean Time Between Failures (MTBF)	692,577 hours

License tiers	Catalyst Routing Essentials, Cisco DNA Essentials or Cisco DNA Advantage; one is required with the chassis		
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Optional Add-ons

Add-on	Cisco PID	Purpose
Network Module	C-NIM-2T	2x100M/1G RJ45/SFP - Catalyst 8200/8300 WAN NIM - MACsec
Network Module	C-NIM-1M	1x2.5G RJ-45 WAN - UPOE+ 90W - Catalyst 8000
Network Module	C-NIM-8M	8x2.5G RJ-45 mGig - Four 90W UPOE+ Ports - Catalyst 8000
Network Module	C-NIM-8T	8x1G RJ45 LAN/WAN Ports - Catalyst 8000
Network Module	NIM-4T	4-Port Serial WAN - Smart Serial NIM - 8 Mbps
Optics	GLC-LH-SMD	1000BASE-LX/LH SFP - 10km SMF / 550m MMF - DOM
Optics	GLC-TE	1000BASE-T SFP - RJ-45 Cat5 Copper - 100m Reach
Optics	GLC-SX-MMD	1000BASE-SX SFP - MMF 850nm - DOM
Optics	GLC-EX-SMD	1000BASE-EX SFP - 40km SMF - DOM
Optics	GLC-ZX-SMD	1000BASE-ZX SFP - 70km SMF - EXT DOM

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New, factory-sealed units with a 3-year warranty. Our sales team quotes within one business day, and in-stock orders ship within one business day of payment from our Hong Kong and US warehouses.

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