

CISCO · ROUTERS

C8500L-8S4X

8x1G SFP + 4x1/10G SFP+ Ports · 1RU Edge Router · 19 Gbps SD-WAN IPsec

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



Product Model	C8500L-8S4X
Category	Routers
Condition	New, factory-sealed
Warranty	3-year LSCare warranty
Supplier	Layer23-Switch · www.layer23-switch.com



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The C8500L-8S4X is a Cisco Catalyst 8500L Edge Platform router for SD-WAN aggregation sites that terminate 1G and 10G fiber circuits. The 1RU router has eight 1G SFP ports and four 1/10GE SFP+ ports, up to 19 Gbps of SD-WAN IPsec at 1400 bytes across 6000 overlay tunnels, and 16 GB of DRAM upgradable to 64 GB.

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

Specifications

Product ID	C8500L-8S4X	Platform architecture	x86-based, flow-based forwarding with dynamic core allocation
1GE SFP ports	8 (GE 0/0/0-0/0/7), up to 1 Gbps	1/10GE SFP+ ports	4 (TenGE 0/1/0-0/1/3), 1G SFP or 10G SFP+
Max 1GE ports	12	Max 10GE ports	4
Management interface	1 x RJ-45 10/100/1000 Mbps (GigabitEthernet0)	Console port	1 x RJ-45 and 1 x micro-USB (Type B)
USB port	2 x USB 3.0 Type-A	Rack units	1RU
SD-WAN IPsec throughput (1400 Bytes, clear text)	Up to 19 Gbps	SD-WAN IPsec throughput (IMIX, clear text)	Up to 10 Gbps
SD-WAN overlay tunnels scale	6000; 8000 with Cisco IOS XE 17.12.1 and SD-WAN 20.12.1	50% IQDF + 50% (DIA w. NAT + NGFW + IPS + URLF + AMP)	Up to 5.9 Gbps (IOS XE 17.12.2, firewall EMIX)
DIA w. NAT + NGFW + IPS + URLF + AMP	Up to 4 Gbps (IOS XE 17.12.2, firewall EMIX)	IPv4 forwarding throughput (1400 bytes)	Up to 39 Gbps
IPsec throughput (1400 bytes, clear text)	Up to 19 Gbps	Number of IPsec SVTI tunnels	4000
Number of ACLs per system	4000	Number of IPv4 ACEs per system	50K
Number of IPv4 routes	4M with default 16 GB	Number of IPv6 routes	4M with default 16 GB
Number of queues	16K	Number of NAT sessions	2M
Number of firewall sessions	2M	Number of VRFs	8000
System memory (DRAM)	16 GB default (MEM-C8500L-16GB)	DRAM upgrade options	32 GB (MEM-C8500L-32GB) or 64 GB (MEM-C8500L-64GB)
Boot flash storage	32 GB internal	M.2 storage	16 GB M.2 USB default (M2USB-16G); 32 GB M.2 USB or 2 TB M.2 NVMe (SSD-M2NVME-2T) optional

Power supply configuration	Two 400W supplies installed, N+1 redundancy; AC and DC not mixed	Power supply options	PWR-CH1-400WAC 400W AC; PWR-CH1-400WDC 400W DC; PWR-CC1-400WHV HVAC/HVDC, 500W output
Input voltage	AC: 85 to 264 VAC; DC: -40 to -72 VDC; HVAC: 100 to 277 VAC; HVDC: 240 to 380 VDC	Heat dissipation	511 BTU/hr; maximum 1,057 BTU/hr
Airflow	Air intake on the I/O side; internal fans always on	Fan modules	1RU fan tray, spare C8500L-FAN-1R=
Operating temperature	0°C to 40°C (32°F to 104°F)	Storage temperature	-40°C to 70°C (-40°F to 150°F)
Relative humidity	10 to 85% operating; 5 to 95% nonoperating and storage, noncondensing	Operating altitude	-500 to 10,000 feet (-152 to 3048 meters)
NEBS criteria levels	GR-1089 and GR-63	Sound pressure	Typical 57 dBA; maximum 76 dBA
Sound power	Typical 64 dBA; maximum 82 dBA	Dimensions (H x W x D)	1.73 x 17.50 x 16.25 in.
Weight	17 lb with 2x AC power supplies and fan tray	MTBF	240,200 hours
Rack installation	Two-post and four-post; 19-inch kit by default, 23-inch and 4-post kits optional	Software redundancy	Two IOS XE processes on one device (IOS XE routing mode)
Minimum software requirement	Cisco IOS XE 17.4.1a; Catalyst SD-WAN Manager 20.4.1	Software modes	Autonomous (IOSXE-AUTO-MODE, default) or controller (IOSXE-CTRL-MODE)
License	Cisco DNA Advantage subscription (L-DNA-C8500), Tier 2 up to 2G aggregate or Tier 3 platform maximum; 3-, 5- or 7-year terms	HSEC license	C8000-HSEC included by default, tied to chassis serial number
Safety certifications	UL 60950-1; CAN/CSA-C22.2 No. 60950-1; EN 60950-1; IEC 60950-1; AS/NZS 60950-1; GB4943	EMC (emissions)	47 CFR Part 15 Class A; ICES 003 Class A; AS/NZS CISPR 32 Class A; CISPR 22/CISPR 32 Class A; EN55022/EN55032 Class A; VCCI Class A; CNS-13438 Class A; KN32 Class A
EMC (immunity)	IEC/EN 61000-4-2, 61000-4-3, 61000-4-4, 61000-4-5, 61000-4-6, 61000-4-11; KN35	EMC (ETSI/EN)	EN300 386; EN55022; EN55032; EN55024; EN55035; EN50082-1/EN-61000-6-1

Optional Add-ons

Add-on	Cisco PID	Purpose
Optics	SFP-10G-SR-S	10GBASE-SR SFP+ - S-Class - 400m OM4 MMF
Optics	SFP-10G-LR-S	10GBASE-LR SFP+ - S-Class - 10km SMF
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

Get Price and Availability for C8500L-8S4X

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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LAYER23-SWITCH