



C9200CX-8P-2XGH-A DataSheet

Cisco Catalyst C9200CX-8P-2XGH-A: 8-port fanless PoE+ compact L3 switch with 2×10 Gbps SFP+ uplinks, 60 Gbps switching, HVDC internal power, and Network Advantage.

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C9200CX-8P-2XGH-A Description

The Cisco Catalyst C9200CX-8P-2XGH-A is a fanless, HVDC-capable compact access switch delivering eight PoE+ Gigabit ports and four fixed uplinks (2×10 Gbps SFP+, 2×1 Gbps copper) powered by a 315 W internal supply. With the Network Advantage (“A”) license, it unlocks advanced Layer 3 routing (OSPF, EIGRP, BGP, VXLAN), multicast, and hardware MACsec encryption. Ideal for space- and noise-sensitive environments—such as retail endpoints, industrial control rooms, and small branches—it combines zero-noise operation with high-scale forwarding tables and secure, automated deployment.

Model Meaning: Cisco C9200CX-8P-2XGH-A Switch

Segment	Meaning
C9200CX	Cisco Catalyst 9200CX Series compact switch (fanless, internal HVDC/AC power)
8P	8 × Gigabit PoE+ RJ-45 access ports
2XGH	2 × 10 Gbps SFP+ fixed uplinks + 2 × 1 Gbps copper uplinks (HVDC-capable)
A	Network Advantage license (advanced Layer 3: OSPF, EIGRP, BGP, VXLAN; multicast routing)

Model Comparison

Parameter	C9200CX-8P-2XGH-A	C9200CX-8P-2XGH-E	C9200CX-8P-2X2G-A
Downlink Ports	8 × PoE+ RJ-45	8 × PoE+ RJ-45	8 × PoE+ RJ-45
Uplink Ports	2 × 10 Gbps SFP+ & 2 × 1 Gbps	2 × 10 Gbps SFP+ & 2 × 1 Gbps	2 × 10 Gbps SFP+ & 2 × 1 Gbps
Total PoE Budget	240 W	240 W	315 W
License	Network Advantage (A)	Network Essentials (E)	Network Advantage (A)
Switching Capacity	60 Gbps	60 Gbps	68 Gbps
Forwarding Rate	44.64 Mpps	44.64 Mpps	50.59 Mpps
HVDC Support	Yes	Yes	No
Fan Architecture	Fanless	Fanless	Fanless
MTBF	734,030 hours	734,030 hours	704,430 hours

Specification

Parameter	Specification	Parameter	Specification
Switch Model	C9200CX-8P-2XGH-A	Downlink Ports	8 × 1 Gbps PoE+ RJ-45
Uplink Ports	2 × 10 Gbps SFP+ & 2 × 1 Gbps RJ-45	Total PoE Budget	240 W
Power Supply	315 W HVDC/AC internal	Fans	Fanless
License	Network Advantage (A)	Switching Capacity	60 Gbps
Forwarding Rate	44.64 Mpps	MAC Address Table	32,000 entries
IPv4 Routes	14,000 (10K direct + 4K learned)	IPv6 Routes	2,000 entries
VLAN IDs	4,096	ACL Entries	1,600
QoS Entries	1,000	Packet Buffer	6 MB
Flexible NetFlow	16,000 flows	DRAM	4 GB
Flash	8 GB	MTBF	734,030 hours
Dimensions	1.73"×10.6"×9.6" (4.4×26.9×24.4 cm)	Weight	0.6 lb (0.27 kg)

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