



C9200CX-12P-2X2G-A DataSheet

Cisco Catalyst C9200CX-12P-2X2G-A: 12-port fanless PoE+ compact L3 switch, 2×10 Gbps uplinks, 68 Gbps switching, advanced Layer 3 with Network Advantage.


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C9200CX-12P-2X2G-A Description

The Cisco Catalyst C9200CX-12P-2X2G-A is a fanless, compact PoE+ access switch optimized for space- and noise-sensitive deployments. It provides 12 Gigabit PoE+ ports and four fixed uplinks (2×10 Gbps SFP+, 2×1 Gbps copper) powered by an internal 315 W supply or optional adapter. With the Network Advantage (“A”) license, it supports advanced Layer 3 routing (OSPF, EIGRP, BGP, VXLAN), multicast, MACsec encryption, and high-scale QoS. Ideal for retail kiosks, industrial control rooms, and small branch offices, it delivers 32 K MAC entries, 14 K IPv4 routes, and 2 K IPv6 routes with zero-noise reliability.

Model Meaning: Cisco C9200CX-12P-2X2G-A Switch

Segment	Meaning
C9200CX	Cisco Catalyst 9200CX Series compact switch (fanless, internal power)
12P	12 × Gigabit PoE+ RJ-45 ports
2X2G	2 × 10 Gbps SFP+ fixed uplinks + 2 × 1 Gbps copper uplinks
A	Network Advantage license (advanced Layer 3: OSPF, EIGRP, BGP, VXLAN; multicast routing)

Model Comparison

Parameter	C9200CX-12P-2X2G-A	C9200CX-12P-2X2G-E	C9200CX-12T-2X2G-A
Downlink Ports	12 × PoE+ RJ-45	12 × data RJ-45	12 × data 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	315 W	N/A	N/A
License	Network Advantage (A)	Network Essentials (E)	Network Advantage (A)
Switching Capacity	68 Gbps	68 Gbps	N/A
Forwarding Rate	50.59 Mpps	50.59 Mpps	N/A
MACsec Encryption	AES-256	N/A	AES-256
Virtual Networks	16 VLANs	16 VLANs	16 VLANs
Fan Architecture	Fanless	Fanless	Fanless
MTBF	704,430 hours	704,430 hours	960,180 hours

Specification

Parameter	Specification	Parameter	Specification
Switch Model	C9200CX-12P-2X2G-A	Downlink Ports	12 × 1 Gbps PoE+ RJ-45
Uplink Ports	2 × 10 Gbps SFP+ & 2 × 1 Gbps RJ-45	Total PoE Budget	315 W
Power Supply	315 W internal AC; 80 W AC/DC optional	Fan Architecture	Fanless
License	Network Advantage (A)	Switching Capacity	68 Gbps
Forwarding Rate	50.59 Mpps	MAC Address Table	32,000 entries
IPv4 Routes	14,000 (10K direct + 4K learned)	IPv6 Routes	2,000 entries
VLAN IDs	4,096	Virtual Networks	16 VLANs
ACL Entries	1,600	QoS Entries	1,000
MACsec Encryption	AES-256	NetFlow	16,000 flows
DRAM / Flash	4 GB / 8 GB	MTBF	704,430 hours

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