



C9200CX-12P-2X2G-E DataSheet

Cisco Catalyst C9200CX-12P-2X2G-E: 12-port fanless PoE+ switch, 2×10 Gbps uplinks, 68 Gbps switching, AES-256 MACsec, and NetFlow analytics.


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C9200CX-12P-2X2G-E Description

The Cisco Catalyst C9200CX-12P-2X2G-E is a compact, fanless PoE+ access switch engineered for space- and noise-constrained deployments. It delivers 12 PoE+ Gigabit ports and four fixed uplinks (2×10 Gbps SFP+, 2×1 Gbps copper) powered by a 315 W internal AC supply. With the Network Essentials license, it provides wire-speed Layer 2 switching, Dynamic QoS, and NetFlow analytics. Designed for kiosks, retail endpoints, and small branches, the Cat9200CX-12P-2X2G-E combines silent operation with robust MACsec-256 encryption and 16-VLAN segmentation to secure and simplify edge access.

Model Meaning: Cisco C9200CX-12P-2X2G-E 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
E	Network Essentials license (core Layer 2, QoS, NetFlow analytics, automation)

Model Comparison

Parameter	C9200CX-12P-2X2G-E	C9200CX-12T-2X2G-E	C9200CX-12P-2X2G-A
Downlink Ports	12× 1G PoE+	12× 1G data	12× 1G PoE+
Uplink Ports	2× 10G SFP+ & 2× 1G copper	2× 10G SFP+ & 2× 1G copper	2× 10G SFP+ & 2× 1G copper
Total PoE Budget	315 W	N/A	315 W
License	Network Essentials (E)	Network Essentials (E)	Network Advantage (A)
Stacking Bandwidth	N/A	N/A	N/A
Switching Capacity	68 Gbps	70 Gbps	68 Gbps
Forwarding Rate	50.59 Mpps	52.08 Mpps	50.59 Mpps
Virtual Networks	16 VLANs	16 VLANs	16 VLANs
MAC Address Table	32,000 entries	32,000 entries	32,000 entries
MTBF	704,430 hours	960,180 hours	704,430 hours

Specification

Parameter	Specification	Parameter	Specification
Switch Model	C9200CX-12P-2X2G-E	Downlink Ports	12 × 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; optional 80 W AC/DC adaptor	Fans	Fanless
License	Network Essentials (E)	Stacking Bandwidth	N/A
Switching Capacity	68 Gbps	Forwarding Rate	50.59 Mpps
Virtual Networks	16 VLANs	MAC Address Table	32,000 entries
IPv4 Routes	14,000 (10K direct + 4K learned)	IPv6 Routing Entries	2,000
VLAN IDs	4,096	MACsec Encryption	AES-256
ACL Scale Entries	1,600	QoS Scale Entries	1,000
Packet Buffer	6 MB	Flexible NetFlow	16,000 flows
DRAM	4 GB	Flash	8 GB
MTBF	704,430 hours	Supported PoE Standard	IEEE 802.3at

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