



## C9200CX-12T-2X2G-A DataSheet

Cisco Catalyst C9200CX-12T-2X2G-A: 12-port fanless compact L3 switch with 2×10 Gbps uplinks and advanced Layer 3 via Network Advantage.


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## C9200CX-12T-2X2G-A Description

The Cisco Catalyst C9200CX-12T-2X2G-A is a fanless, compact Layer 3 access switch designed for noise- and space-constrained environments. It offers 12 Gigabit data 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 license, it supports advanced routing (OSPF, EIGRP, BGP, VXLAN), multicast, and comprehensive QoS. Ideal for kiosks, small branches, and industrial sites, it delivers 32 K MAC entries, 14 K IPv4 routes, and secure segmentation without moving parts.

## Model Meaning: Cisco C9200CX-12T-2X2G-A Switch

| Segment        | Meaning                                                                                  |
|----------------|------------------------------------------------------------------------------------------|
| <b>C9200CX</b> | Cisco Catalyst 9200CX Series compact switch (fanless, internal power)                    |
| <b>12T</b>     | 12 × 10/100/1000 Mbps RJ-45 data-only ports                                              |
| <b>2X2G</b>    | 2 × 10 Gbps SFP+ fixed uplinks + 2 × 1 Gbps copper uplinks                               |
| <b>A</b>       | Network Advantage license (advanced Layer 3: OSPF, EIGRP, BGP, VXLAN; multicast routing) |

## Model Comparison

| Parameter          | C9200CX-12T-2X2G-A                       | C9200CX-12T-2X2G-E                       | C9200CX-12P-2X2G-A                  |
|--------------------|------------------------------------------|------------------------------------------|-------------------------------------|
| Downlink Ports     | 12 × 1 Gbps RJ-45                        | 12 × 1 Gbps RJ-45                        | 12 × PoE+ RJ-45                     |
| Uplink Ports       | 2 × 10 Gbps SFP+ + 2 × 1 Gbps RJ-45      | 2 × 10 Gbps SFP+ + 2 × 1 Gbps RJ-45      | 2 × 10 Gbps SFP+ + 2 × 1 Gbps RJ-45 |
| Power Supply       | 315 W internal AC; optional 80 W adapter | 315 W internal AC; optional 80 W adapter | PoE-PD powered, internal 315 W AC   |
| License            | Network Advantage (A)                    | Network Essentials (E)                   | Network Advantage (A)               |
| MAC Address Table  | 32,000 entries                           | 32,000 entries                           | 32,000 entries                      |
| IPv4 Routes        | 14,000                                   | 14,000                                   | 14,000                              |
| Virtual Networks   | 16 VLANs                                 | 16 VLANs                                 | 16 VLANs                            |
| Fan Architecture   | Fanless                                  | Fanless                                  | Fanless                             |
| MTBF               | 960,180 hours                            | 960,180 hours                            | 960,180 hours                       |
| Dimensions (HxWxD) | 30 × 445 × 130 mm                        | 30 × 445 × 130 mm                        | 30 × 445 × 130 mm                   |

## Specification

| Parameter         | Specification                          | Parameter        | Specification                        |
|-------------------|----------------------------------------|------------------|--------------------------------------|
| Switch Model      | C9200CX-12T-2X2G-A                     | Downlink Ports   | 12 × 1 Gbps RJ-45                    |
| Uplink Ports      | 2 × 10 Gbps SFP+ + 2 × 1 Gbps RJ-45    | Power Supply     | 315 W internal AC; 80 W AC/DC option |
| Fan Architecture  | Fanless                                | License          | Network Advantage (A)                |
| MAC Address Table | 32,000 entries                         | IPv4 Routes      | 14,000 (10K direct + 4K indirect)    |
| IPv6 Routes       | 2,000 entries                          | Virtual Networks | 16 VLANs                             |
| ACL Scale Entries | 1,600                                  | QoS Entries      | 1,000                                |
| Packet Buffer     | 6 MB                                   | Flexible NetFlow | 16,000 flows                         |
| DRAM              | 4 GB                                   | Flash            | 8 GB                                 |
| MTBF              | 960,180 hours                          | Operating Temp   | -5 °C to +45 °C                      |
| Dimensions        | 30 × 445 × 130 mm (HxWxD)              | Weight           | 0.27 kg                              |
| Standards         | IEEE 802.3az, MACsec-128, SNMPv3, RMON | Environmental    | 5-90% non-condensing                 |

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