

## Cisco Catalyst 9200L(C9200L-48T-4X-E)

Cisco Catalyst 9200L - Network Advantage - switch - L3 - 48 x 10/100/1000 + 4 x 10 Gigabit SFP+ (uplink) - rack-mountable



The Cisco Catalyst 9200 Series switch can help customers simplify complexity, optimize IT, and reduce operational costs by leveraging intelligence, automation and human expertise. This switch provides security features that protect the integrity of the hardware as well as the software and all data that flows through the switch. It provides resiliency that keeps your business up and running seamlessly. The C9200L-48T-4X-E model has 48 ports 1G data with 4x 10G SFP+ fixed uplinks. Licensing is required.

## Main Specifications

Product Description	Cisco Catalyst 9200L - Network Essentials - switch - 48 ports - Managed - rack-mountable
Device Type	Switch - 48 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 4 x 10 Gigabit SFP+ (uplink)
Performance	Stacking bandwidth: 80 Gbps   Switching capacity: 176 Gbps   Forwarding rate: 261.9 Mpps
Capacity	Virtual networks: 1   IPv4 routes: 11000   IPv4 routing table entries: 3000   IPv6 routing table entries: 1500   Multicast scale: 1000   ACL scale entries: 1500   FNF entries: 16000   VLANs supported: 1024   Switched virtual interfaces (SVIs): 512   QoS hardware queues per port: 8
MAC Address Table Size	16000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	OSPF, RIP-1, RIP-2, EIGRP, VRRP, PIM-SM, EIGRP for IPv6, PIM-SSM, policy-based routing (PBR), RIPng, MSTP
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF
Features	Quality of Service (QoS), Cisco StackWise Technology, Rapid Per-VLAN Spanning Tree Plus (PVRST+), Shaped Round Robin (SRR), PXE support, Remote Switch Port Analyzer (RSPAN), NetFlow, Energy Efficient Ethernet, Management Information Base (MIB), Class of Service (CoS), Flexible NetFlow (FNF), 802.1x authentication, DiffServ Code Point (DSCP) support, MACsec support, 6MB packet buffer, Control plane protection (CoPP), Switched Port Analyzer (SPAN), Embedded Event Manager (EEM), Protocol Independent Multicast (PIM), First Hop Security (FHS), PVLAN support, Committed Information Rate (CIR)
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3bz
Power	AC 100-240 V (50 - 60 Hz)
Power Redundancy	Optional
Dimensions (WxDxH)	44.5 cm x 4.4 cm x 28.8 cm
Weight	5 kg
Manufacturer Warranty	Limited lifetime warranty

## Extended Specification

### General

Device Type	Switch - 48 ports - L3 - Managed - stackable
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MAC Address Table Size	16000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	OSPF,RIP-1,RIP-2,EIGRP,VRRP,PIM-SM,EIGRP for IPv6,PIM-SSM,policy-based routing (PBR),RIPng,MSTP
Remote Management Protocol	SNMP 1,RMON 1,RMON 2,SNMP 3,SNMP 2c,CLI,NETCONF,RESTCONF
Features	Quality of Service (QoS),Cisco StackWise Technology,Rapid Per-VLAN Spanning Tree Plus (PVRST+),Shaped Round Robin (SRR),PXE support,Remote Switch Port Analyzer (RSPAN),NetFlow,Energy Efficient Ethernet,Management Information Base (MIB),Class of Service (CoS),Flexible NetFlow (FNF),802.1x authentication,DiffServ Code Point (DSCP) support,MACsec support,6MB packet buffer,Control plane protection (CoPP),Switched Port Analyzer (SPAN),Embedded Event Manager (EEM),Protocol Independent Multicast (PIM),First Hop Security (FHS),PVLAN support,Committed Information Rate (CIR)
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RAM	2 GB
Flash Memory	4 GB

## Expansion / Connectivity

Interfaces	48 x 1000Base-T RJ-45 4 x 10GBase-X SFP+ uplink 1 x network stack device 1 x management (LAN) RJ-45 1 x console RJ-45
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## Power

Power Device	Internal power supply - hot-plug
Max Supported Qty	2
Power Redundancy	Optional
Voltage Required	AC 100-240 V (50 - 60 Hz)

## Miscellaneous

MTBF	508,700 hours
Compliant Standards	CISPR 22 Class A,CISPR 24,EN 61000-3-2,EN 61000-3-3,EN55024,EN 61000-6-1,AS/NZS 60950-1,CCC,ICES-003 Class A,UL 60950-1,IEC 60950-1,EN 60950-1,RoHS,AS/NZS 3548

Class A,BSMI Class A,VCCI Class A,CNS 13438,EN 55022 Class A,FCC CFR47 Part 15 B Class A,EN 300 386,KN32,KN35,EN 55032 Class A,CISPR 32 Class A,CAN/CSA-C22.2 No. 60950-1,TCVN 7189 Class A,V-3 Class A,TCVN 7317,CISPR 35

### Dimensions &Weight

Width	44.5 cm
Depth	4.4 cm
Height	28.8 cm
Weight	5 kg

### Manufacturer Warranty

Service &Support	Limited warranty - advance parts replacement - lifetime - response time:next business day
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### Environmental Parameters

Humidity Range Operating	5 - 90% (non-condensing)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 90% (non-condensing)

Product data is provided by CNET,we do not warrant the accuracy and completeness of the material contained in this data sheet