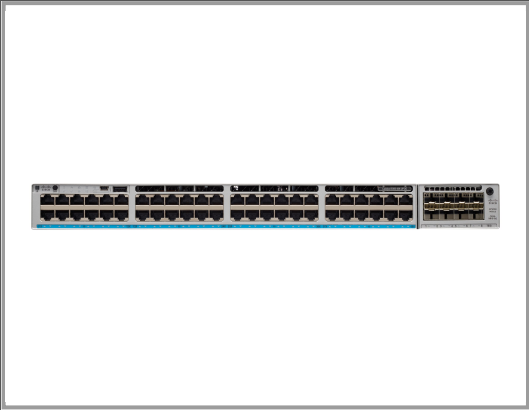


Cisco Catalyst 9300 - Switch - L3

Managed - 48 x 10/100/1000 (UPOE+) - rack-mountable - UPOE+ (822 W)

Group	Network Equipment
Manufacturer	Cisco
Manufacturer item no.	C9300-48H-A
EAN/UPC	0889728230698



Description

The Catalyst 9300 series is an advanced stackable switching platform. These network switches are built for security, IoT, and the cloud.

Main features

Product Description	Cisco Catalyst 9300 - switch - 48 ports - Managed - rack-mountable
Device Type	Switch - 48 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (UPOE+)
Power Over Ethernet (PoE)	UPOE+
PoE Budget	822 W
Performance	Switching capacity: 256 Gbps Stacking bandwidth: 736 Gbps Forwarding rate: 190.48 Mpps Forwarding rate with stacking: 547.62 Mpps
Capacity	IPv4 routing table entries: 32000 IPv6 routing table entries: 16000 Flexible NetFlow entries: 64000 VLAN IDs: 4000 Switched virtual interfaces (SVIs): 2000
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	OSPF, IS-IS, RIP-1, RIP-2, BGP, EIGRP, HSRP, IGMP, VRRP, PIM-SM, OSPFv3, PIM-SSM, MSDP, policy-based routing (PBR), RIPng
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF
Features	DHCP support, trunking, Syslog support, full duplex mode, Stateful switchover (SSO), Class-Based Weighted Fair Queuing (CBWFQ), Weighted Random Early Detection (WRED), Spanning Tree Protocol (STP) support, Access Control List (ACL) support, Quality of Service (QoS), Non-Stop Routing (NSR), Remote Switch Port Analyzer (RSPAN), Management Information Base (MIB), Cisco StackWise-480 technology, Cisco StackPower technology, Flexible NetFlow (FNF), Multicast Source Discovery Protocol (MSDP), 802.1x authentication, 16MB packet buffer, FTP client, MACsec support, 3 fans, Control plane protection (CoPP), Virtual Extensible LAN (VXLAN), Application Visibility and Control (AVC), Source-Specific Multicast (SSM), integrated Wireshark, VLAN Double Tagging (Q-in-Q), Ethernet over MPLS (EoMPLS), Hierarchical Virtual Private LAN Service (H-VPLS), Private VLAN, Layer 3 VPN (L3VPN) support, Encapsulated Remote SPAN (ERSPAN), Security Group Tag (SGT) caching, Security Group Access Control List (SGACL), IT Service Management (ITSM) integration, third-party IP Address Management (IPAM) integration

Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3at
Power	AC 120/230 V (50 - 60 Hz)
Power Redundancy	Optional
Dimensions (WxDxH)	44.5 cm x 48.8 cm x 4.4 cm
Weight	7.72 kg

Extended details

	General
Device Type	Switch - 48 ports - L3 - Managed - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (UPOE+)
Power Over Ethernet (PoE)	UPOE+
PoE Budget	822 W
Performance	Switching capacity: 256 Gbps Stacking bandwidth: 736 Gbps Forwarding rate: 190.48 Mpps Forwarding rate with stacking: 547.62 Mpps
Capacity	IPv4 routing table entries: 32000 IPv6 routing table entries: 16000 Flexible NetFlow entries: 64000 VLAN IDs: 4000 Switched virtual interfaces (SVIs): 2000
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	OSPF, IS-IS, RIP-1, RIP-2, BGP, EIGRP, HSRP, IGMP, VRRP, PIM-SM, OSPFv3, PIM-SSM, MSDP, policy-based routing (PBR), RIPng
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, SNMP, SNMP 3, SNMP 2c, CLI, NETCONF, RESTCONF
Encryption Algorithm	128-bit AES
Features	DHCP support, trunking, Syslog support, full duplex mode, Stateful switchover (SSO), Class-Based Weighted Fair Queuing (CBWFQ), Weighted Random Early Detection (WRED), Spanning Tree Protocol (STP) support, Access Control List (ACL) support, Quality of Service (QoS), Non-Stop Routing (NSR), Remote Switch Port Analyzer (RSPAN), Management Information Base (MIB), Cisco StackWise-480 technology, Cisco StackPower technology, Flexible NetFlow (FNF), Multicast Source Discovery Protocol (MSDP), 802.1x authentication, 16MB packet buffer, FTP client, MACsec support, 3 fans, Control plane protection (CoPP), Virtual Extensible LAN (VXLAN), Application Visibility and Control (AVC), Source-Specific Multicast (SSM), integrated Wireshark, VLAN Double Tagging (Q-in-Q), Ethernet over MPLS (EoMPLS), Hierarchical Virtual Private LAN Service (H-VPLS), Private VLAN, Layer 3 VPN (L3VPN) support, Encapsulated Remote SPAN (ERSPAN), Security Group Tag (SGT) caching, Security Group Access Control List (SGACL), IT Service Management (ITSM) integration, third-party IP Address Management (IPAM) integration
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.3at
RAM	8 GB
Flash Memory	16 GB
Status Indicators	Status

	Expansion / Connectivity
Interfaces	48 x 1000Base-T RJ-45 UPOE+ 1 x USB 2.0
Expansion Slots	1 (total) / 1 (free) x Expansion Slot
	Power
Power Device	Internal power supply - hot-plug
Installed Qty	1
Max Supported Qty	2
Power Redundancy	Optional
Power Provided	1100 Watt
Voltage Required	AC 120/230 V (50 - 60 Hz)
	Miscellaneous
MTBF	227,410 hours
Compliant Standards	CISPR 22 Class A, CISPR 24, EN 61000-3-2, EN 61000-3-3, EN55024, EN50082-1, EN 61000-6-1, EN 61000-4-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-6, CCC, ICES-003 Class A, EN 61000-4-5, UL 60950-1, IEC 60950-1, EN 60950-1, RoHS, AS/NZS 3548 Class A, BSMI Class A, VCCI Class A, EN 55022 Class A, FCC CFR47 Part 15 A, EN 300 386, TVCN 7317, VCCI V-3/2009 Class A, CAN/CSA-C22.2 No. 60950-1
	Software / System Requirements
Software Included	Cisco Network Essentials
	Dimensions & Weight
Width	44.5 cm
Depth	48.8 cm
Height	4.4 cm
Weight	7.72 kg
	Manufacturer Warranty
Service & Support	Limited warranty - replacement - lifetime - response time: next business day Technical support - consulting - 90 days
	Environmental Parameters
Min Operating Temperature	-5 °C
Max Operating Temperature	45 °C
Humidity Range Operating	5 - 90% (non-condensing)
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 90% (non-condensing)

Technical data © 1WorldSync. Subject to technical modifications and errors.