

C1-C2960X-48FPD-L Datasheet

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Overview

Cisco ONE Catalyst 2960-X 48 GE PoE 740W 2x10G SFP+ LAN Base

Specification

C1-C2960X-48FPD-L Specification

General	
Device Type	Switch - 48 ports - managed - stackable
Enclosure Type	Desktop, rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+) + 2 x 10 Gigabit SFP+
Power Over Ethernet (PoE)	PoE+
PoE Budget	740 W
Performance	Switching capacity: 216 Gbps ; Forwarding performance (64-byte packet size): 130.9 Mpps
Capacity	Active VLANs: 1023
Jumbo Frame Support	9216 bytes
Max Units In A Stack	8
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, Telnet, SNMP 3, SNMP 2c, HTTP, CLI
Authentication Method	Kerberos, Secure Shell (SSH), RADIUS, TACACS+
Features	Full duplex capability, auto-negotiation, BOOTP support, ARP support, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, Syslog support, DiffServ support, Broadcast Storm Control, IPv6 support, Multicast Storm Control, Unicast Storm Control, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, DHCP snooping, Dynamic Trunking Protocol (DTP) support, Port Aggregation Protocol (PAgP) support, Trivial File Transfer Protocol (TFTP) support, Access Control List (ACL) support, Quality of Service (QoS), MLD snooping, Dynamic ARP Inspection (DAI), Cisco EnergyWise technology, Unicast Reverse Path Forwarding (URPF), Uni-Directional Link Detection (UDLD), Rapid Per-VLAN Spanning Tree Plus (PVRST+), Shaped Round Robin (SRR), LLDP support, DHCP relay, Link Aggregation Control Protocol (LACP), MAC Address Notification, Remote Switch Port Analyzer (RSPAN), Hot Standby Router Protocol (HSRP) support, Energy Efficient Ethernet, Management Information Base (MIB), Multicast VLAN Registration (MVR), Strict Priority Queuing (SPQ), Class of Service (CoS), Cisco FlexStack Plus, DiffServ Code Point (DSCP) support
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3af, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.1s, IEEE 802.3ah, IEEE 802.1ab (LLDP), IEEE 802.3at, IEEE 802.3az, IEEE 802.1AX
Processor	APM86392: 600 MHz
RAM	512 MB

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Flash Memory	128 MB
Status Indicators	Port transmission speed, port duplex mode, system, status, link/activity
Expansion / Connectivity	
Interfaces	48 x 1000Base-T RJ-45 24 ports (PoE+) / 48 ports (PoE) - 30 W ; 1 x console RJ-45 ; 1 x mini-USB Type B management ; 2 x USB Type A ; 1 x 100Base-TX RJ-45 management ; 2 x 10Gbit LAN SFP+ uplink
Expansion Slots	1 (total) / 1 (free) x Stacking Module slot
Power	
Power Device	Internal power supply
Power Redundancy	Optional
Voltage Required	AC 120/230 V (50/60 Hz)
Power Consumption Operational	50.8 Watt
Features	Redundant Power System (RPS) connector
Miscellaneous	
MTBF	233,370 hours
Compliant Standards	CISPR 22 Class A, BSMI CNS 13438 Class A, CISPR 24, EN 61000-3-2, EN 61000-3-3, EN55024, EN55022 Class A, AS/NZS 60950-1, ICES-003 Class A, RoHS, FCC CFR47 Part 15, UL 60950-1 Second Edition, CSA C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, VCCI Class A, KN24, KN22 Class A, EN 300386, RoHS 2011/65/EU
Software / System Requirements	
Software Included	Cisco IOS LAN Base
Dimensions & Weight	
Width	17.5 in
Depth	14.5 in
Height	1.8 in
Weight	12.79 lbs
Manufacturer Warranty	
Service & Support	Limited warranty - advance parts replacement - lifetime - response time: next business day ; Technical support - consulting - 90 days
Environmental Parameters	
Min Operating Temperature	23 °F
Max Operating Temperature	113 °F

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Humidity Range Operating	10 - 95% (non-condensing)
Min Storage Temperature	-13 °F
Max Storage Temperature	158 °F
Humidity Range Storage	10 - 95% (non-condensing)

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