

## C1-C2960X-48TD-L Datasheet

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### Overview

Cisco ONE Catalyst 2960-X 48 GigE, 2 x 10G SFP+, LAN Base

### Specification

#### C1-C2960X-48TD-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 + 2 x 10 Gigabit SFP+   |
| 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 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.3ae, IEEE 802.1s, IEEE 802.3ah, IEEE 802.1ab (LLDP), IEEE 802.3az, IEEE 802.1AX  |
| Processor                  | APM86392: 600 MHz  |
| RAM                        | 512 MB   |
| Flash Memory               | 128 MB   |
| Status Indicators          | Port transmission speed, port duplex mode, system, status, link/activity   |

Expansion / Connectivity

## C1-C2960X-48TD-L Specification

|                                |   |
|--------------------------------|---|
| Interfaces                     | 48 x 1000Base-T RJ-45   1 x console RJ-45   1 x mini-USB Type B management   1 x USB Type A   1 x 1000Base-TX RJ-45 management   2 x 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  | 32.9 Watt   |
| Features                       | Redundant Power System (RPS) connector  |
| MTBF                           | 445,460 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 |
| Miscellaneous                  |   |
| Software Included              | Cisco IOS LAN Base  |
| Width                          | 17.5 in   |
| Depth                          | 11 in   |
| Height                         | 1.8 in  |
| Weight                         | 9.48 lbs  |
| Software / System Requirements |   |
| Service & Support              | Limited warranty - advance parts replacement - lifetime - response time: next business day   Technical support - consulting - 90 days   |
| Min Operating Temperature      | 23 °F   |
| Max Operating Temperature      | 113 °F  |
| 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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