

C1-WSC3850-48XS-S Datasheet

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Overview

Cisco ONE Catalyst 3850 48 Port 10G Fiber Switch IP Base

Specification

C1-WSC3850-48XS-S Specification

General	
Device Type	Switch - 48 ports - L3 - managed - stackable
Enclosure Type	Desktop, rack-mountable 1U
Subtype	10 Gigabit Ethernet
Ports	48 x 1 Gigabit / 10 Gigabit SFP+ + 4 x 40 Gigabit QSFP+ (uplink)
Performance	Switching capacity: 1280 Gbps
Capacity	IPv4 routes: 24000 NetFlow entries: 96000 Virtual interfaces (VLANs): 4000 Switched virtual interfaces (SVIs): 1000
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	OSPF, BGP-4, IS-IS, RIP-1, RIP-2, EIGRP, IGMPv2, IGMP, PIM-SM, PIM-DM, IGMPv3, EIGRP for IPv6, OSPFv3, PIM-SSM, policy-based routing (PBR), RIPng, MLDv2, MLD
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, TeInet, SNMP 3, SNMP 2c, TFTP, SSH, CLI
Authentication Method	Kerberos, Secure Shell (SSH), RADIUS, TACACS+
Features	DHCP support, ARP support, Syslog support, PIM snooping, 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), SSH support, Virtual Route Forwarding-Lite (VRF-Lite), front to back airflow, Uni-Directional Link Detection (UDLD), Rapid Per-VLAN Spanning Tree Plus (PVRST+), Shaped Round Robin (SRR), Link Aggregation Control Protocol (LACP), Remote Switch Port Analyzer (RSPAN), Energy Efficient Ethernet, Virtual Routing and Forwarding (VRF), Cisco StackWise-480 technology, Cisco StackPower technology, Flexible NetFlow (FNF), 802.1x authentication, radio resource management (RRM), ARP inspection, Weighted Tail Drop (WTD), VLAN Trunking Protocol (VTP), Bridge protocol data unit (BPDU), Control plane protection (CoPP)
Compliant Standards	IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s
Status Indicators	Port transmission speed, port duplex mode, power, system, active, status
Expansion / Connectivity	
Interfaces	48 x 10GBase-X SFP+ 4 x 40Gbit LAN QSFP+ uplink 1 x USB Type A 1 x management (mini-USB) Type B 1 x console RJ-45 management 1 x management (Gigabit LAN) RJ-45 2 x network stack device
Power	

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Power Device	Internal power supply
Installed Qty	1 (installed) / 2 (max)
Power Redundancy	Optional
Power Redundancy Scheme	1+1 (with optional power supply)
Power Provided	750 Watt
Voltage Required	AC 120/230 V (50 - 60 Hz)
Features	Rear-to-front airflow
Miscellaneous	
MTBF	286,900 hours
Compliant Standards	CISPR 22 Class A, CISPR 24, EN 61000-3-2, NOM, 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, FCC CFR47 Part 15, UL 60950-1, IEC 60950-1, EN 60950-1, UL 60950-1 Second Edition, KCC, RoHS, FCC Part 15 A, AS/NZS 3548 Class A, BSMI Class A, CAN/CSA C22.2 No. 60950-1, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, VCCI Class A, KN24, KN22 Class A, EN 300386, AS/NZS CISPR 22, CNS 13438, EN 55022 Class A
Software / System Requirements	
Software Included	Cisco IOS IP Base
Dimensions & Weight	
Width	17.5 in
Depth	20.1 in
Height	1.8 in
Weight	16.42 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
Humidity Range Operating	10 - 95% (non-condensing)
Min Storage Temperature	-40 °F
Max Storage Temperature	158 °F

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