

C1-WS3850-48F/K9 Datasheet

Overview

Cisco ONE - Catalyst 3850 48 Port PoE

Specification

C1-WS3850-48F/K9 Specification	
General	
Device Type	Switch - 48 ports - L3 - managed - stackable
Enclosure Type	Desktop, rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 (PoE+)
Power Over Ethernet (PoE)	PoE+
PoE Budget	800 W
Performance	Switching capacity: 176 Gbps Stacking bandwidth: 480 Gbps
Capacity	IPv4 routes: 24000 NetFlow entries: 48000 Switched virtual interfaces (SVIs): 1000
MAC Address Table Size	32000 entries
Jumbo Frame Support	9198 bytes
Routing Protocol	RIP-1, RIP-2, EIGRP, RIPng
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, Telnet, SNMP 3, SNMP 2c, SSH, CLI
Authentication Method	Kerberos, Secure Shell (SSH), RADIUS, TACACS+
Features	Auto-negotiation, ARP support, trunking, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, Syslog support, IPv6 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), RADIUS support, Virtual Route Forwarding-Lite (VRF-Lite), MLD snooping, Dynamic ARP Inspection (DAI), PoE+, STP Root Guard, Uni-Directional Link Detection (UDLD), Rapid Per-VLAN Spanning Tree Plus (PVRST+), IPv4 support, Shaped Round Robin (SRR), Link Aggregation Control Protocol (LACP), Remote Switch Port Analyzer (RSPAN), layer 3 load balancing, Energy Efficient Ethernet, Cisco StackWise-480 technology, Cisco StackPower technology, Flexible NetFlow (FNF)
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 802.1s, IEEE 802.3at
RAM	4 GB
Flash Memory	2 GB

C1-WS3850-48F/K9 Specification

Status Indicators	Port transmission speed, port duplex mode, system, status, PoE
Expansion / Connectivity	
Interfaces	48 x 1000Base-T RJ-45 PoE+ - 30 W 1 x USB Type A 1 x mini-USB Type B management 1 x management (RS-232) RJ-45 management 1 x 1000Base-T RJ-45 management 2 x network stack device
Expansion Slots	1 (total) / 1 (free) x expansion slot
Power	
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	1100 Watt
Voltage Required	AC 120/230 V (50/60 Hz)
Miscellaneous	
MTBF	241,050 hours
Compliant Standards	CISPR 22 Class A, GOST, BSMI CNS 13438 Class A, CISPR 24, EN 61000-3-2, NOM, EN 61000-3-3, EN55024, EN55022 Class A, ICES-003 Class A, RoHS, UL 60950-1 Second Edition, KCC, FCC Part 15 A, ISO 7779, CSA C22.2 No. 60950-1 Second Edition, EN 60950-1 Second Edition, IEC 60950-1 Second Edition, VCCI Class A
Dimensions & Weight	
Width	17.5 in
Depth	18.9 in
Height	1.8 in
Weight	17.64 lbs
Manufacturer Warranty	
Service & Support	Limited warranty - advance hardware 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