

CS-4800XF

48 Port 10G Managed L3 Switch



- 48x 10GbE SFP+ Slot
- RSTP, MSTP, ERPS, LACP for Network Redundancy
- QoS CoS/DSCP Diffserv to increase determinism
- Supports IGMP Snooping v1/v2/v3, up to 4096 groups
- DHCP Relay Option 82 for policies IP address assignment
- SNMP v1/v2c/v3 for network management
- Supports Storm Protection
- USB storage for configuration-free replacement



Specifications

Technology

IEEE 802.3ae 10GBASE Fiber
IEEE 802.3x Flow Control
IEEE 802.3az Energy-Efficient Ethernet
IEEE 802.3ad/802.1AX LACP
IEEE 802.1D Spanning Tree Protocol
IEEE 802.1w Rapid STP
IEEE 802.1s Multiple STP
ITU-T G.8032 / Y.1344 ERPS
IEEE 802.1Q VLAN Tagging
IEEE 802.1ad Stacked VLANs
IEEE 802.1p Class of Service
IEEE 802.1X Network Authentication
IEEE 802.1AB LLDP
IEEE 1588 PTP

Processing Type Store and Forward, Cut Through

Switch Properties

Switch Fabric 960Gbps

Priority Queues 12 Queues

Jumbo Frame 9416byte

MAC Table Size 256K

Packet Buffer 320Mbits

VLAN Table Size 4094

IGMP Group 4096

ACL Group 12K

Routing Entries (IPv4/IPv6) 288/192K host, 705K/181K LPM

Software Feature

Network Redundancy	RSTP, MSTP, G.8032 ERPSv2, Port Trunking with LACP
Security	802.1X, RADIUS, TACACS+, SSL, SSH, ACL
Management	IPv4, IPv6, Web, Telnet, Serial Console, CLI, SFTP, SNMP v1/v2c/v3, uPnP, OpenFlow 1.0/1.3
Diagnostics	RMON, SNMP Inform/Trap, Syslog, SMTP, Port Mirroring, LLDP, Cable Diagnostic
Configuration	DHCP Server/Client, Relay Option 82, TFTP, USB
Filter	802.1Q VLAN, Q-in-Q, IGMP Snooping v1/v2/v3, IGMP Querier, Independent Vlan Learning
Time Sync.	NTP, IEEE1588v2 OC (Software Timestamp), BC (Software Timestamp), TC (Hardware Timestamp)
QoS	CoS, DSCP, WRR/SPQ Queuing, Storm Protection, Bandwidth Control, Diffserv
L3 Switching	Static Routing, RIP v1/v2, RIPng, OSPF v2, OSPF v3, VRRP v2, ECMP, BGP*, PIM-SM/SSM, PIM-DM*, VRF*

Interface

Fiber Port	48x 10 Gigabit SFP+ Slot
MGMT Port	1x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X
LED Indicators	Per unit: PWR, Status, Ports: Link/Active
Button	Multiple functions reset button
Serial Console	1x RS232 in RJ45 connector with console cable, 115.2Kbps, 8N1

Storage 1x USB 2.0 storage for firmware update, configuration backup, restore, boot up and syslog

Power Requirements

Operation Voltage 100~240VAC

Connection AC socket

Power Consumption 150W

Protection Overload Current Protected, Reverse Polarity Protected

Mechanical Construction

Enclosure Steel metal

Protection Class IP30

Dimensions 440x44x331 mm (WxHxD)

Weight 4.80 kg

Mounting Rack Mounting

Environmental Limits

Operating Temperature 0°C ~ 50°C (32°F ~ 122°F)

Storage Temperature -40°C ~ 85°C (-40°F ~ 185°F)

Ambient Relative Humidity 5 to 95%, (Non-Condensing)

Regulatory Approvals

EMI FCC Part 15 Subpart B Class A
CE EN 55032 Class A

EMS IEC61000-4-2 (ESD)
IEC61000-4-3 (RS)
IEC61000-4-4 (EFT)
IEC61000-4-5 (Surge)
IEC61000-4-6 (CS)
IEC61000-4-8 (Magnetic Field)

Free Fall IEC60068-2-32

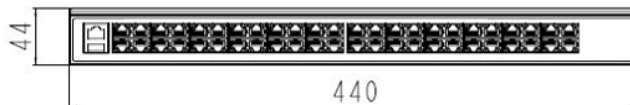
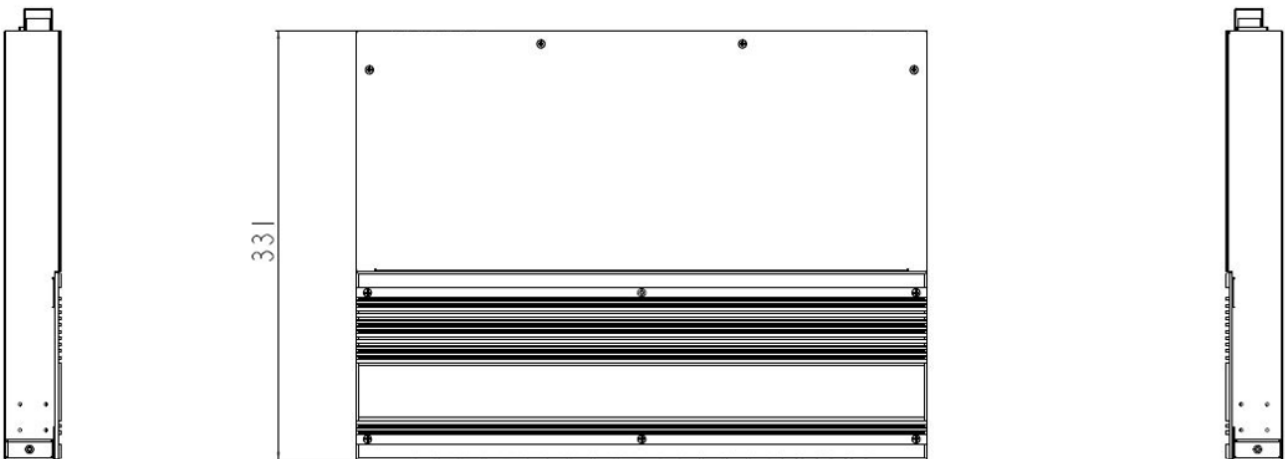
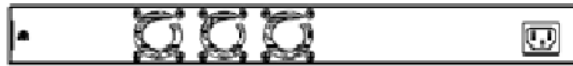
Green RoHS Compliant

MTBF >100,000 hours

Warranty 3 Years

Features with star(*) implies those are under development.
In a continuing effort of improvement and updated technology, product specifications are subject to change without notice.

Dimensions (unit = mm)



Ordering Information

CS-4800XF-1AC

- 48 Port 10G Managed L3 Switch
 - 48x 10 Gigabit Ethernet SFP+ Slot
 - Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F)
 - 1x 100~240VAC Power Input
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