

CS-3200XF

32 Port 10G Managed L3 Switch



- 32x 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

Standards

Processing Type Store and Forward, Cut Through

Switch Properties

Switch Fabric 144Gbps

Priority Queues 8 Queues

Jumbo Frame 12288byte

MAC Table Size 32K

Packet Buffer 32Mbits

VLAN Table Size 4094

IGMP Group 4096

ACL Group 4096

VLAN IP Entries 256

Routing Entries (IPv4/IPv6) 16K/8K host, 16K/16K 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 32x 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	1x 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

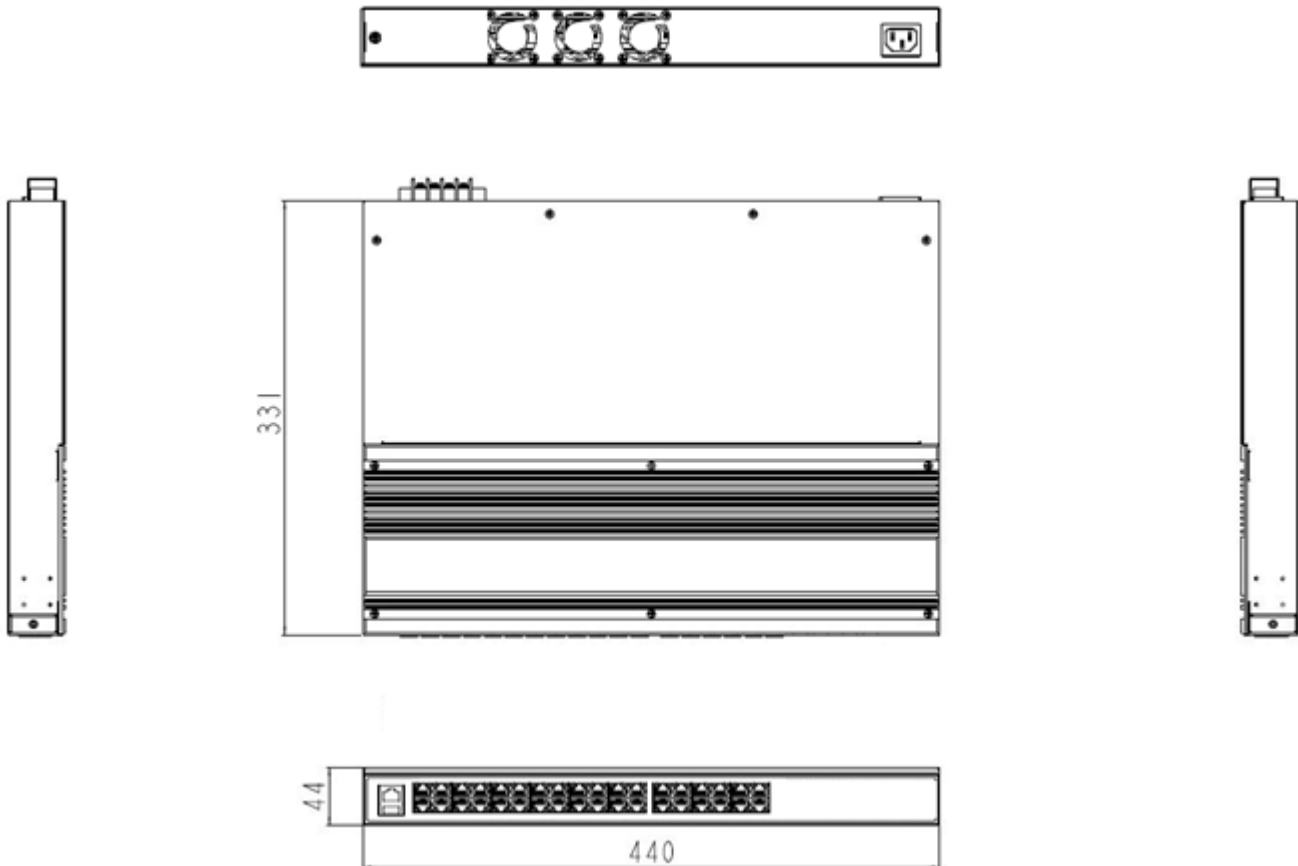
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Storage Temperature	-40°C ~ 85°C (-40°F ~ 185°F)
Ambient Relative Humidity	5 to 95%, (Non-Condensing)

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-3200XF-1AC

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