

CP-2408XF

24+8 Port 10G Managed L3 PoE+ Ethernet Switch



- 24x 10GBASE-T Ethernet ports with IEEE 802.3at PoE+
- 8x 1G/10G SFP+ Slot
- RSTP, MSTP, ERPS, LACP for Network Redundancy
- QoS CoS/DSCP to increase determinism
- Supports IGMP Snooping v1/v2/v3, up to 1023 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
- Supports PoE PD Alive Check Function for PoE Device Power Recycle

Specifications

Technology

IEEE 802.3u 100BaseTX
 IEEE 802.3ab 1000BaseT
 IEEE 802.3ae 10GBase over Fiber
 IEEE 802.3x Flow Control
 IEEE 802.3ad/802.1AX LACP
 IEEE 802.3af Power over Ethernet
 IEEE 802.3at PoE+
 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

Standards

Processing Type Store and Forward

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

Management IPv4, IPv6, Web, Telnet, Serial Console, CLI, SNMP v1/v2c/v3, uPnP

Diagnostics RMON, SNMP Inform/Trap, Syslog, SMTP, Port Mirroring, LLDP

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

QoS CoS, DSCP, WRR/SPQ Queuing, Storm Protection

PoE Powering Status, PoE Monitoring, Scheduling, PD Alive Check

L3 Switching Static Routing, RIP v1/v2, RIPng, OSPF v2, OSPF v3, VRRP v2, ECMP, BGP*, PIM-SM/SSM, PIM-DM*, VRF*

Interface

RJ45 Port 24x 100M/1G/2.5G/5G/10GT(x) with PoE+, auto negotiation speed duplex mode, auto MDI/MDI-X

Fiber Port 8x 1G/10G SFP+ Slot

PoE Pin Out V+, V+, V-, V-, for pin 1, 2, 3, 6, Endspan, MDI Mode A

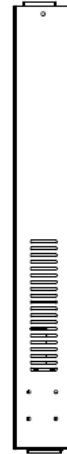
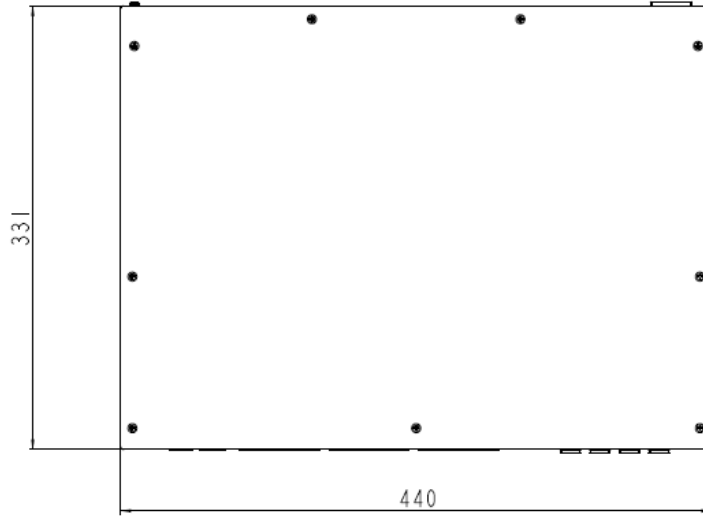
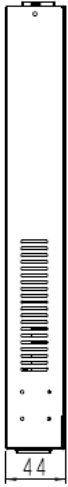
MGMT Port 1x 10/100/1000T(x), auto negotiation speed duplex mode, auto MDI/MDI-X

LED Indicators	Per unit: PWR1, PWR2, Status Ports: Link/Active (Green) PoE: Output Power (Amber)
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	46W without PDs' consumption
PoE Power Budget	Max. 370W@AC for total PD consumption, Max. 30 W per PoE port
Protection	Overload Current Protected
Mechanical Construction	
Enclosure	Aluminum / Steel met
Protection Class	IP30

Dimensions	440x44x310 mm (WxHxD)
Weight	6.00 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)
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)



2.9

