

CP-2408XF

24+8 Port Industrial Managed PoE+ L3 Switch with 10G Uplink



- 8x 1/10 Gigabit Ethernet SFP+ Slot
- RSTP, MSTP, ERPS, LACP for Network Redundancy
- QoS CoS/DSCP 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
- Supports industrial automation protocols Ethernet/IP and Modbus TCP
- Supports PoE PD Alive Check Function for PoE Device Power Recycle

Specifications

Technology

IEEE 802.3ab 1000BaseT
IEEE 802.3an 10GBase over copper
IEEE 802.3ae 10GBase over Fiber
IEEE 802.3x Flow Control
IEEE 802.3af Power over Ethernet
IEEE 802.3at PoE+
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

Switch Properties

Switch Fabric 640Gbps

Priority Queues 8 Queues

Jumbo Frame 12288bytes

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, RSPAN

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), TC (Hardware Timestamp)

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

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

Industrial Profiles Ethernet/IP, Modbus TCP, Profinet

Interface

Fiber Port	8x 1/10 Gigabit Ethernet SFP+ Slot
PoE Pin Out	V+, V+, V-, V-, for pin 1, 2, 3, 6, Endspan, MDI Mode A
LED Indicators	Per unit: PWR, Fault, Ring Master, Ring State Ports: Link/Active with highest speed(Green), low speed(Amber) PoE: Output Power
Digital Inputs	1x isolated input from the electronics. +13 to +30V for state "1" -30 to +3V for state "0" Max. input current: 8mA
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, >50VDC for PoE+ output recommended
Connection	AC socket
Power Consumption	
PoE Power Budget	Max. 370W, Max. 30 W per PoE port
Protection	Overload Current Protected

Mechanical Construction

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.

Enclosure	Steel metal
Protection Class	IP30
Dimensions	440x44x331 mm (WxHxD)
Weight	6.00 kg
Mounting	Rack Mounting

Environmental Limits

Operating Temperature	Standard: 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
Shock	IEC61373
Vibration	IEC61373
Green	RoHS Compliant
MTBF	>100,000 hours
Warranty	5 Years

Dimensions (unit = mm)

800 (W) X 600 (H)

Ordering Information

CP-2408XF	24+8 Port Industrial Managed PoE+ L3 Switch with 10G Uplink - 24x 1G/10GT(x) with 24x 30W PSE + 8x 1/10 Gigabit Ethernet SFP+ Slot - Operating Temperature: 0°C ~ 50°C (32°F ~ 122°F)
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Optional Accessories

NDR-240-48	240W Industrial DIN-Rail Power Supply, 48VDC (metal case)
NDR-480-48	480W Industrial DIN-Rail Power Supply, 48VDC (metal case)