

CET42242XM-S-RP

L2+ Managed 4-port 10/100/1000Base-TX + 24-port 100/1000Base-SFP + 4-port 1000/10GBase-SFP Plus Optical Ethernet Switch with Redundant AC Power Inputs



Features

- ▶ Provide 24 100/1000Base-SFP dual speed SFP slots
- ▶ Provide 4 10/100/1000Base-TX
- ▶ Provide 4 1000/10GBase-SFP dual speed SFP + uplink slots
- ▶ Support IEEE 802.1D STP/802.1w RSTP/802.1s MSTP
- ▶ Support IPv6 management
- ▶ SNMP V1/V2c/V3
- ▶ IGMP snooping v1/v2/v3, MVR, MLD snooping v1/v2
- ▶ Supports 32K MAC address
- ▶ 32M bits frame buffer memory
- ▶ IEEE 802.3az power management / Green Ethernet
- ▶ Port-based VLAN, 802.1Q VLAN, Voice VLAN and Q-in-Q (double tagging) function
- ▶ Redundant AC Power inputs
- ▶ 19" 1U Rack-mount
- ▶ 0°C to 50°C operating temperature

Specifications

Ethernet

Standards	IEEE 802.3u, IEEE 802.3z, IEEE 802.3ae IEEE 802.1p, IEEE 802.1Q, IEEE 802.1ad, IEEE 802.1d IEEE 802.1w, IEEE 802.1s, IEEE 802.1x, IEEE 802.3ad IEEE 802.3az
Processing Type	Store-and-Forward
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000bps) 14,880,000pps (10Gbps)
Switching Fabric Capacity	136Gbps
Packet Forwarding Capacity	102Mpps
Packet Buffer Memory	32 Mbit
Mac Table Size	32K
Max. Packet Size	10,240 bytes - jumbo frames
Optical Port	24 x 100/1000Base dual speed SFP; 4 x 10/100/1000Base-TX RJ45; 4 x 1000Base or 10GBase dual speed SFP
Management port	1 x 10/100/1000Base-TX RJ45
Console port	1 x RJ45 for console

Electrical and Mechanical

Input Power	100~240VAC, 50/60Hz, 2 AC inputs
Power Consumption	Max. 60W
LED Indicators	
Power	Power Status (Green: System is receiving power)
System	System active (Green: System is ready)
Console	Console in use
Link/Act (Per Port)	Data is being transferred (Green: Gigabit; Yellow: 10/100M)
Speed (Per Port)	Link speed
Dimensions	440 × 250 × 43.5 mm
Weight	4.5 Kg
Casing	Aluminium



Software Features

Management	HTTP server; CLI console port; Telnet CLI; Management access filtering; SSHv2 and HTTPS; IPv6 Management; Syslog; Software upload through Web and TFTP; SNMPv1/v2c/v3 Agent; RMON Group 1, 2, 3, and 9; IEEE 802.1AB-2005 Link Layer Discovery, LLDP; Text Configuration download or upload; Daylight Saving;
Port Configuration	Port speed, duplex mode, and IEEE 802.3x flow control; Port Auto MDI/MDI-X; Port frame size (jumbo frames), Maximum ingress frame size (10056 bytes); Port state (administrative status); Port status (link monitoring); Port statistics (MIB counters); Port VeriPHY (cable diagnostics);
QoS Feature	IEEE 802.1p 8 Priority Queues per Port; Port Based priority; Scheduler priority; QoS Control List (256 entries Max.); Storm control for UC, MC, and BC; Per port/per queue based ingress policing and egress shaping; DiffServ (RFC 2474) remarking; Tag remarking
Security	Port-based 802.1X, Single 802.1X, Multiple 802.1X; MAC-based authentication, VLAN assignment, QoS assignment; Guest VLAN; RADIUS accounting; MAC address limited learning; TACACS+; Web and CLI authentication and authorization; ACL rules based on L2~L4 information; IP source guard
L2 Switching	Auto MAC address learning/aging; Per port limited MAC address learning; IEEE 802.1Q static VLAN(4K VLAN groups), Voice; VLAN, Port isolation, Private VLAN, MAC based VLAN protocol based VLAN IP subnet based VLAN; IEEE 802.1D STP/802.1w RSTP/802.1s MSTP; IEEE 802.3ad Link Aggregation, static and LACP; BPDU guard and restricted role, Error Disable Recovery; DHCP client, DHCP snooping, DHCP option 82 relay; ARP inspection(256 entries Max.); Port mirroring, RSPAN
Storm Control	Unicast/Broadcast/Multicast storm suppression
IP Multicasting	IGMP snooping v1,v2, v3 snooping, (1024 groups); IGMP snooping Fast and Immediate leave; IGMP throttling, filtering, and leave proxy; MVR and MVR profile; IPv6 MLD v1/v2 snooping
Software upgrade	TFTP/HTTP

Environmental

Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-25°C to 70°C (-13°F to 158°F)
Relative Humidity	10% to 90% non-condensing
MTBF	20,510 hrs

Regulatory Approvals

CE	EN 55032:2015/A11:2020, Class A	IEC 61000-4-2:2008	IEC 61000-4-6:2013
	EN 61000-3-2:2014	IEC 61000-4-3:2006+A1:2007+A2:2010	IEC 61000-4-8:2009
	EN 61000-3-3:2013	IEC 61000-4-4:2012	IEC 61000-4-11:2004/A1:2017
	EN 55035:2017/A11:2002	IEC 61000-4-5:2014	
FCC	FCC 47 CFR Part 15, Subpart B, Class A		
	ANSI C63.4:2014		

Ordering Information

Available Model	Description
CET42242XM-S-RP	L2+ Managed 4-port 10/100/1000Base-TX + 24-port 100/1000Base-SFP + 4-port 1000/10GBase-SFP Plus Optical Ethernet Switch with Redundant AC Power Inputs

Optional Accessories (to be purchased separately)

SFP (S)=SFP Option. Please select your SFP on our SFP Modules page for details.

Package Checklist

■ Managed Ethernet Switch	x 1	■ Console Cable	x 1
■ Rack Mount Kit	x 1	■ AC Power Cable	x 2
		■ Quick Installation Guide	x 1

