

ET42242XM-S-RP

L2+ Managed 4-port 10/100/1000Base-TX + 24-port 100/1000Base-SFP + 4-port 1000/10GBase-SFP 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 STP, RSTP, MSTP, ITU-T G.8031/G.8032
- ▶ Support Trunking
- ▶ SNMP V1/V2c/V3
- ▶ IGMP snooping v1/v2/v3, MVR, MLD snooping v1/v2
- ▶ Supports 32K MAC address
- ▶ 32M bits frame buffer memory
- ▶ Redundant AC Power inputs
- ▶ 19" 1U Rack-mount
- ▶ -10°C to 60°C (14°F to 140°F) 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, IEEE 802.3ah, IEEE 802.1ag, ITU-T Y.1731
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
System	System active
Console	Console in use
Link/Act (Per Port)	Data is being transferred
Speed (Per Port)	Link speed
Dimensions	440 × 250 × 43.5 mm



Software Features

Management	Web/Telnet CLI/SNMP/console interface Web/CLI authentication, SSH v2, HTTPs, port mirroring, RSPAN syslog, IPv6 management, NTP, IEEE 802.3az, Energy, Efficient, Ethernet (EEE) power management
Port Configuration	Port speed duplex mode selection Bandwidth Control Broadcast Storm Control
VLAN Feature	IEEE 802.1Q tagged VLAN(Max. 4K VLAN groups), port based VLAN, MAC based VLAN, protocol based VLAN, private VLAN, IEEE 802.1ad Q-in-Q, VLAN translation, GVRP
QOS Feature	IEEE 802.1p 8 priority queues per port, CoS based on switch port; VLAN ID; DSCP; TCP/UDP port IEEE 802.1p priority tag remarking, DSCP remarking, Port based ingress/egress rate limit 3 colors marker-CIR/EIR/Burst bandwidth control IEEE 802.3x flow control
Security	IEEE 802.1x port based access control, MAC based access control authentication, RADIUS authentication, limited MAC address learning, IP/MAC binding, ACL rule based filtering, TACACS+, IP source guard, DHCP snooping/relay option 82 ARP inspection
Spanning Tree	STP, RSTP, MSTP, ITU-T G.8031/G.8032
Trunking	IEEE 802.3ad LACP (Max. 16 trunking group, Max. 8 ports per trunking group)
Storm Control	Unicast/Broadcast/Multicast storm suppression
IP Multicasting	IGMP throttling, IGMP filtering, IGMP fast leave IGMP snooping v1/v2/v3, MVR, MLD snooping v1/v2
Ethernet OAM	IEEE 802.3ah/IEEE 802.1ag/ITU-T Y.1731, RFC2544, ITU-T Y.1564
Software upgrade	TFTP/HTTP

Environmental

Operating Temperature	-10°C to 60°C
Storage Temperature	-25°C to 70°C
Relative Humidity	5% to 90% non-condensing
MTBF	20,510 hrs

Regulatory Approvals

CE	EN 55032:2015, 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
	EN 55024:2010+A1:2015	IEC 61000-4-5:2014	
FCC	FCC 47 CFR Part 15, Subpart B, Class A		
	ANSI C63.4:2014		

Ordering Information

Available Model	Description
ET42242XM-S-RP	L2+ Managed 4-port 10/100/1000Base-TX + 24-port 100/1000Base-SFP + 4-port 1000/10GBase-SFP+ 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

