

ET2241ML-S Series

Web-smart 24-port 100Base-FX SFP + 2-port 10/100/1000Base-T/SFP Combo Optical Ethernet Switch



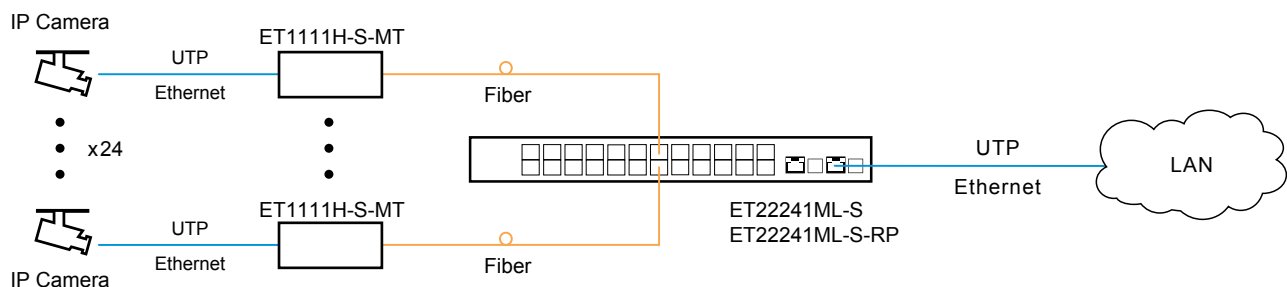
Features

- ▶ 24 100Base-FX SFP + 2 10/100/1000Base-TX/SFP Combo
- ▶ RJ45 Port Supports 10/100/1000Mbps-Full/Half-duplex, Auto-negotiation, Auto MDI/MDIX
- ▶ Supports external SFP
- ▶ Supports 802.3x Flow control
- ▶ Supports IGMP snooping V1/V2
- ▶ SNMP V1/V2c
- ▶ Supports STP/RSTP for Ethernet redundancy
- ▶ Supports port based and tag based VLAN
- ▶ Provides MAC layer filter and TCP/UDP filter
- ▶ Supports 4K MAC address
- ▶ 2.75M bits frame buffer memory
- ▶ 19" 1U Rack-mount
- ▶ AC Power Inputs (Redundant AC Power input for ET2241ML-S-RP)
- ▶ 0°C to 50°C (32°F to 122°F) operating temperature

Warranty

- ▶ 5-Year Warranty

Typical Application



Specifications

Ethernet

Standards	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3u 100Base-FX IEEE802.3ab 1000Base-TX IEEE802.3z 1000Base-X IEEE802.3x Flow Control
Processing Type	Store-and-Forward
Switch Fabric	8.8 Gbps
Forward Filter Rate	14,880pps (10Mbps) 148,800pps (100Mbps) 1,488,000pps (1000Mbps)
Packet Buffer Memory	2.75 Mbits
Maximum Packet Length	1522 Bytes
Address Table Size	4K MAC Address
Connector	2 × RJ45
Optical Port	26 × SFP

Electrical and Mechanical

Input Power	100~240 VAC, 50/60 Hz (2 AC inputs for ET2241ML-S-RP)
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Specifications

Power Consumption	Max. 10W (System no-load) Max. 40W (System Full-load)
LED Indicators	
Power	Power Status
Ethernet (Per Port)	LINK/Activity, Speed
SFP (Per Port)	LINK/Activity
Dimensions (W x D x H)	433 × 250 × 44 mm
Weight	2.4 Kg
Casing	Metal Case
Mounting Options	Rack Mount

Software Features

Management	Web
Port Configuration	Bandwidth Control, Broadcast Storm Control
VLAN Setting	32 tag based entries VLAN Groups, 26 Port based VLAN Groups
QoS Setting	Allows to assign low/ high priority on each port, First-in-First-Out, All-High-before-Low, Weight-Round-Robin QoS Policy
Security	MAC Address, TCP & UDP Filter
Spanning Tree	STP, IEEE802.1D (Spanning Tree Protocol) RSTP, IEEE802.1w (Rapid Spanning Tree Protocol)
DHCP	DHCP Relay Agent, DHCP Server, VLAN Map Relay Agent
Miscellaneous	Output Queue Aging Time, VLAN striding, IGMP Snooping V1 & V2

Environmental

Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-20°C to 75°C (-4°F to 167°F)
Relative Humidity	5% to 95% non-condensing
MTBF	> 100,000 hrs

Regulatory Approvals

ISO9001, CE, FCC, RoHS	EMS
EMI	IEC 61000-4-2: 2008 (ESD)
EN55022:2010+AC: 2011, Class A	IEC 61000-4-3: 2010 (RS)
EN 61000-3-2: 2006+A1: 2009+A2: 2009	IEC 61000-4-4: 2012 (EFT)
EN 61000-3-3: 2013	IEC 61000-4-5: 2014 (Surge)
EN55024:2010	IEC 61000-4-6: 2013 (CS)
	IEC 61000-4-8: 2009 (PFMF)
	IEC 61000-4-11: 2004 (Voltage dips/variations)

Ordering Information

Available Model	Description
ET22241ML-S	Web-smart 24-port 100Base-FX SFP + 2-port 10/100/1000Base-T/SFP Combo Optical Ethernet Switch
ET22241ML-S-RP	Web-smart 24-port 100Base-FX SFP + 2-port 10/100/1000Base-T/SFP Combo Optical Ethernet Switch, Redundant AC inputs

Optional Accessories (to be purchased separately)

SFP (S) = SFP Option. Please select your SFP on our SFP Modules page at the back of the catalogue or our website www.ot-systems.com for details.

Package Checklist

- Managed Network Switch x 1
- Power code, US, UK, EU, or AU type on request x 1
- Quick Installation Guide x 1



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Due to continuous improvement, all product specifications are subject to change without further notice.