LM-802FEMGP

OVERVIEW

LM-802FEMGP is a full gigabit L2 easy managed PoE fiber switch independently developed by LANMUS. It has 2*1000Base-X SFP port (optional single-mode/multi-mode, single-fiber/ dual-fiber optical module). 8*10/100/1000Base-T RJ45 PoE ports1-8 can Supports IEEE802.3af/at, with a power supply of 15.4w per port and a maximum power of 30w per port, it can automatically detect and recognize power-compliant devices that meet the standard and supply power through the network cable. It can supply power to PoE terminal equipment such as wireless AP, webcam, VoIP, sensor through the network cable.

The LM-802FEMGP has L2 easy network management function, complete security protection mechanism, ACL/QoS policy and rich VLAN functions, easy to manage and maintain. Support multiple network redundancy protocols STP/RSTP(<50ms) ,to improve link backup and network reliability to ensure uninterrupted communication of important applications. According to actual application needs, port management, port flow control, VLAN division, IGMP, security policy and other application service configurations are performed through Web and other network management methods. The shell is made of steel alloy, which has excellent industrial field environmental adaptability (including mechanical stability, climate environment adaptability, electromagnetic environment adaptability, etc.), protection level is IP40,low power consumption and no fan, 5-year warranty. It is suitable for campus, hotel and enterprise Campus network network access, convergence and core application scenarios.

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FEATURE

Gigabit access, gigabit SFP port uplink

- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- Support Gigabit Ethernet port and Gigabit SFP port combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- Support physical single-mode single fiber optical path(Bypass) function, pure hardware switching, short switching time, does not affect the data transmission rate and improves the stability of the network system.

Intelligent PoE power sup

- meeting the needs of security monitoring, teleconferencing system, wireless coverage, and other scenarios.
- IEEE802.3af/at PoE standard, without damaging non-PoE devices.
- Priority system for PoE port, it will supply power to the high priority level port first when the power budget is insufficient and avoid overwork of the device.
- PoE network management, realize PoE port power allocation, priority setting, port power status viewing, time scheduling, etc.

Security

- 802. 1X authentication.
- Port isolation, storm control.
- IP-MAC-VLAN-Port binding.

Stable and reliable

- CCC, CE, FCC, RoHS.
- Low power consumption, No fan.
- The user-friendly panel, it can show the device status through the LED indicator of PWR, Link ,PoE

One-stop remote control and management

- HTTPS, SSLV3, and SSHV1/V2.
- RMON, system log, LLDP, and port traffic statistics.
- CPU monitoring, memory monitoring, Ping test, and cable diagnose.
- Web management, SNMP (V1/V2/V3).

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Model	LM-802FEMGP
Interface Characteristics	
Fixed Port	8* 10/ 100/ 1000Base-T RJ45 PoE ports 2* 100/ 1000Base-X uplink SFP slot ports
Ethernet Port	Port 1-8 support 10/ 100/ 1000Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters) 100BASE-TX: Cat5 or later UTP(≤100 meters) 1000BASE-T: Cat5e or later UTP(≤100 meters)
SFP Slot Port	Gigabit SFP optical fiber interface, default not include optical modules (optional single-mode / multi-mode, single fiber / dual fiber optical module. LC)
Wavelength/ Distance	multimode: 850nm 0~550M,1310nm 0~2KM single mode: 1310nm 0~40KM，1550nm 0~120KM
Chip Parameter	
Network Management Type	L2 (WEB management)
Two working modes	Toggle switch:WEB network management mode/VLAN isolation mode
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-X, IEEE802.3z 1000Base-X, IEEE802.3x
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	20Gbps

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Buffer Memory	14.88Mpps		
MAC	8K		
LED Indicator	PowerIndicatorLight	PWR：1 Green	
	Fiber Indicator Light	9-10：1 Green (Link,SDFED)	
	Fiber Indicator Light	9-10：1 Green (Link,SDFED)	
	On the RJ45 seat	1-8 Yellow:Indicate PoE	
		1-8 Green: Indicates network working status	
Reset	Press and hold the reset switch for 10s and release it to restore the factory settings		

PoE & Power Sup

PoE Por	Port 1 to 8 IEEE802.3af/at
Power Supply Pin	Default 1/2 (+), 3/6 (-)
Max Power Per Port	15.4w per port, with a maximum power of 30w per port
Total PWR	120w/ (AC100-240V)
Power Consumption	Standby<6w, Full load<120w
Power Supply	52V2.3A 120w

Certification & Warranty

Power surge protection	Lightning protection: 6KV 8/20us, Protection level: IP40
Network interface surge protection	IEC 61000-4-5 Level 4（4KV）（10/700us)
Mechanical Properties	IEC60068-2-6 (anti vibration), IEC60068-2-27 (anti shock) IEC60068-2-32 (free fall)

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Certification	CCC, CE mark, commercial, CE/LVD EN62368- 1, FCC Part 15 Class B, RoHS
Physical Parameter	
Operation TEMP / Humidity	-40~+75°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-40~+85°C;5%~95% RH Non condensing
Dimension (L*W*H)	330mm* 172mm*44mm
Installation	Desktop