

Lanmus

LM-802FEMGP

DATASHEET

Easy Managed Switches 8 *10/100/1000 PoE Base-T

The LM-802FEMGP is a full Gigabit L2 managed PoE fiber switch by LANMUS, featuring 2 SFP ports and 8 PoE RJ45 ports supporting up to 30W per port. Designed for enterprise and campus networks, it offers easy network management, strong security, VLAN support, and fast redundancy protocols.



Product Overview

The LM-802FEMGP is a full Gigabit L2 easy-managed PoE fiber switch independently developed by LANMUS, designed to deliver reliable, high-speed networking solutions for demanding environments such as campuses, hotels, and enterprise networks.

It features 2 Gigabit SFP ports that support both single-mode and multi-mode fiber modules with options for single-fiber or dual-fiber connections, providing flexible uplink solutions tailored to various deployment needs.

Additionally, it includes 8*10/100/1000Base-T RJ45 PoE ports that comply with IEEE802.3af/at standards, capable of delivering a power supply of 15.4W per port, with a maximum power of 30W per port. The switch automatically detects and recognizes power-compliant devices, enabling it to supply power through Ethernet cables to a wide range of PoE terminal equipment such as wireless access points, IP cameras, VoIP phones, and sensors, thereby reducing the need for separate power sources and simplifying network infrastructure.

The LM-802FEMGP switch comes equipped with comprehensive Layer 2 network management functions, including advanced security features, Access Control Lists (ACL), Quality of Service (QoS) policies, and rich VLAN capabilities, allowing for easy management and maintenance of network traffic.

It supports multiple network redundancy protocols such as STP and RSTP with failover times under 50 milliseconds, enhancing link backup and ensuring network reliability for uninterrupted communication of critical applications.

GIGABIT ACCESS AND UPLINK

- Supports Gigabit Ethernet ports and Gigabit SFP port combinations for flexible network building
- Non-blocking wire-speed forwarding ensures efficient data transmission
- Supports full-duplex(IEEE802.3x) and half-duplex (Backpressure) modes
- Supports physical single-mode single-fiber optical path (Bypass) function with pure hardware switching for fast, stable transmission

INTELLIGENT POE POWER SUPPLY

- Meets requirements of security monitoring, teleconferencing, wireless coverage, and other scenarios
- Complies with IEEE802.3af/at PoE standards without damaging non-PoE devices
- PoE port priority system supplies power first to high-priority ports to prevent device overload
- Supports PoE network management: power allocation, priority setting, port power status monitoring, and time scheduling

REMOTE CONTROL AND MANAGEMENT

- Supports HTTPS, SSLv3, SSHv1/v2 for secure remote access
- Includes RMON, system logs, LLDP, and port traffic statistics
- CPU and memory monitoring, Ping test, and cable diagnostics available
- Offers Web management and SNMP (V1/V2/V3) support

SECURITY FEATURES

- Supports 802.1X authentication
- Provides port isolation and storm control
- Supports IP-MAC-VLAN-Port binding to enhance network security

STABILITY AND RELIABILITY

- Certified with CCC, CE, FCC, and RoHS
- Low power consumption and fanless design
- User-friendly panel with LED indicators for power (PWR), link status, and PoE status

SPECIFICATION

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)
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100BaseTX IEEE802.3ab 1000Base-X, IEEE802.3z 1000Base-X, IEEE802.3x
Two working modes	Toggle switch: WEB network management mode/ VLAN isolation mode

SPECIFICATION

MODEL	LM-802FEMGP
Chip Parameter	
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	20Gbps
Buffer Memory	14.88Mpps
MAC	8K
LED Indicator	Power Indicator Light PWR : 1 Green 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	Yes, Press and hold the reset switch for 5s and release it to restore the factory settings
PoE & Power Sup	
PoE Port	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
	52V2.3A 120w

SPECIFICATION

MODEL	LM-802FEMGP
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)
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

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