



LM-800MGP

DATASHEET

L2 Managed PoE Ethernet Switch 8-port 10/100M/1000M

LM-800MGP is a full gigabit L2 managed PoE switch independently developed by Lanmus. 8 × 10/100/1000 Base-T RJ45 PoE ports (1–8) support IEEE802.3af/at, with a power supply of 15.4W per port and a maximum of 30W per port, total power 120W. It can automatically detect and recognize power-compliant devices that meet the standard and supply power through the network cable.



PRODUCT INTRODUCTION

Product Overview

The LM-800MGP is a full-gigabit L2 managed PoE switch engineered to deliver reliable power and stable connectivity across diverse networking environments. Equipped with 8 × 10/100/1000 Base-T RJ45 PoE ports, it supports the IEEE802.3af/at standards, providing 15.4W per port with a maximum of 30W, and a total PoE budget of 120W, enabling seamless power delivery to compatible devices such as wireless access points, IP cameras, VoIP phones, and sensors without the need for separate electrical wiring.

The switch intelligently detects and identifies power-compliant devices, ensuring safe and efficient power transmission over Ethernet. Designed with robust L2 network management capabilities, it integrates advanced security protection, ACL and QoS policies, and versatile VLAN configurations, making network monitoring and maintenance effortless. It also supports STP/RSTP (<50ms) redundancy protocols, enhancing link backup and overall network reliability, which ensures continuous communication for mission-critical applications.

Administrators can easily perform port management, VLAN division, IGMP configuration, traffic control, and security settings through standard network management methods, aligning the switch with varied deployment needs.

Built with a durable steel-alloy shell, the LM-800MGP offers strong resistance to mechanical stress, climatic conditions, and electromagnetic interference while maintaining silent, low-power, fanless operation.

With its blend of performance, reliability, and industrial-grade stability, this switch is ideally suited for campus networks, hotels, and enterprise environments requiring dependable network access, aggregation, and core-layer performance.

Highlight Features

Gigabit Access

- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.

Intelligent PoE Power SupPLY

- 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

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

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Non-Stop Remote Control & Management

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

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MODEL	LM-800MGP
INTERFACE CHARACTERISTICS	
Fixed Port	8 * 10/100/1000 Base-T RJ45 PoE ports
Ethernet Port	Port 1-8 support 10/ 100/ 1000 Base-T auto-sensing, full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10 BASE-T: Cat3,4,5 UTP(≤100 meters) 100 BASE-TX: Cat5 or later UTP(≤100 meters) 1000 BASE-T: Cat5e or later UTP(≤100 meters)
CHIP PARAMETER	
Network Management Type	L2 (Management)
DIP switch	VLAN, WEB
Two working modes	Toggle switch: network management mode/VLAN isolation mode
Network Protocol	IEEE802.3 10 BASE-T, IEEE802.3i 10 Base-T, IEEE802.3u 100 Base-TX IEEE802.3ab 1000 Base-X, IEEE802.3z 1000 Base-X, IEEE802.3x

SPECIFICATION

MODEL	LM-800MGP
CHIP PARAMETER	
Forwarding Mode	Store and Forward(Full Wire Speed)
Switching Capacity	16Gbps
Buffer Memory	11.9Mpps
LED Indicator	• Power Indicator Light P1 : 1 Green • 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 SUPPLY	
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
Power Supply	48-52V
CERTIFICATION & WARRANTY	
Power surge protection	Lightning protection: 6KV 8/20us
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	CE mark, commercial, CE/LVD EN62368- 1, RoHS

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PHYSICAL PARAMETER	
Operation TEMP / Humidity	-20~+55°C;5%~90% RH Non condensing
Storage TEMP / Humidity	-20~+75°C;5%~95% RH Non condensing
Dimension (L*W*H)	217mm×148mm×43mm
Installation	Desktop
NETWORK MANAGEMENT FEATURES	
Port configuration	Auto-negotiation Flow Control Port Mirror: TX/RX/BOTH; Many-to-1 monitor Traffic statistics
Link Aggregation	Static link aggregation LACP Algorithm based on Source/Destination MAC Algorithm based on Source/Destination IP
MAC Table	Aging Time Static MAC address Dynamic MAC address management
VLAN	4094 Active VLANs 4094 VID 802.1Q Tag VLAN Port VLAN Protocol VLAN MAC VLAN Voice VLAN 802.1ad Q-in-Q tunneling Private VLAN (Protected port) GARP/GVRP
ACL	256ACLs L2, L3 e L4 Time-based ACL

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NETWORK MANAGEMENT FEATURES	
Spanning Tree	802.1D Spanning Tree Protocol (STP) 802.1w Rapid Spanning Tree Protocol (RSTP) 802.1s Multiple Spanning Tree Protocol (MSTP) Loop Guard Root Guard TC-BPDU Guard BPDU Guard BPDU Filter
Multicast	256 groups IGMP v1/v2/v3 Snooping, Fast Leave MLD Snooping Multicast VLAN
QoS	port-based CoS 802.1p-based CoS DSCP-based Scheduling algorithms SP, WRR, SP+WRR Storm Control (Broadcast, Multicast, Unknown Unicast) Bandwidth control per port
DHCP	SNMP v1/v2c/v3 with Full Private MIBs RMON 4 groups (HTTP/HTTPS) CLI (Telnet, Console, SSHv1/v2) Firmware upgrade via console//TFTP Configuration Backup/Reload Dual Firmware LLDP
Multicast	Cable Diagnostics Ping SFP DDM(Digital Diagnostics Monitoring) Thermal protection System log (Local and Remote) Memory and CPU Monitoring

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NETWORK MANAGEMENT FEATURES	
Security Features	Port Security MAC address filter ARP Association (Manual, ARP scanning, DHCP snooping) ARP Protection DoS (Denial of Service) Classification of packages based on: End.MAC, IP End, TCP / UDP Ports, Protocol Type; 802.1x Authentication (port-based e MAC-based) TACACS/TACACS+ Authentication RADIUS Authentication DHCP Filter Guest VLAN SSLv2/SSLv3/TLSv1 SSHv1/SSHv2 Restriction of access based on: IP Address, And. MAC and Port; Port Isolation Loopback detection
Other Features	DNS Client DHCP Relay DHCP Client DHCP Snooping DHCP Option 82 SNTP Client UDLD



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