

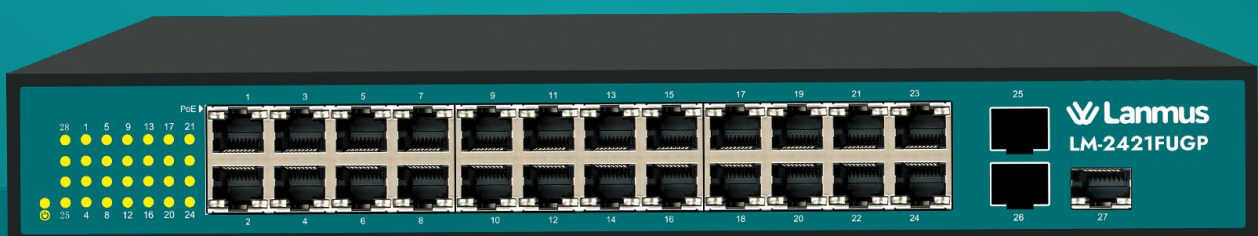


LM-2421FUGP

DATASHEET

Unmanaged Gigabit PoE Switch 24GE+2GE+1SFP

The LM-2421FUGP PoE Ethernet Switch is designed for high-definition security surveillance, featuring 24 PoE downlink ports, 2 uplink Ethernet ports, and 1 uplink SFP optical port. It supports IEEE standards for stable data transmission and delivers up to 30W per PoE port with a total power capacity of 370W. With robust protection, and effortless plug-and-play setup, it ensures stable, secure, and high-speed network performance making it the perfect choice for IP-based security and industrial applications.



PRODUCT INTRODUCTION

Product Overview

The Lanmus LM-2421FUGP is a high-performance unmanaged 27-port Gigabit PoE Ethernet switch built to deliver seamless connectivity, reliable power transmission, and outstanding network stability. Designed for modern IP surveillance, enterprise networks, and intelligent systems, this switch combines powerful PoE capability, solid build quality, and effortless plug-and-play operation for efficient network deployment.

Equipped with 24 Gigabit PoE ports, 2 Gigabit uplink RJ45 ports, and 1 Gigabit SFP optical port, the LM-2421FUGP supports full-duplex data transmission with a switching capacity of 54Gbps. Each PoE port supports IEEE802.3af/at standards, providing up to 30W per port with a total PoE budget of 370W, enabling simultaneous power and data delivery to devices such as IP cameras, VoIP phones, and wireless access points. This eliminates the need for separate power lines, simplifying installation and reducing infrastructure costs.

The switch is engineered for high-definition network surveillance environments, offering stable and clear data transmission for multiple video streams. Its store-and-forward architecture, 4MB memory buffer, and 8K MAC address table ensure fast packet forwarding and smooth performance under heavy load.

The integrated CCTV mode and VLAN isolation enhance network reliability by segmenting traffic, preventing broadcast storms, and securing sensitive data from unauthorized access or cyber attacks.

Built with industrial-grade lightning protection (6KV) and ESD protection, the LM-2421FUGP is designed to withstand harsh environmental conditions and electrical surges, ensuring long-term operation stability. It complies with IEEE802.3, IEEE802.3u, IEEE802.3X, and IEEE802.3ab standards and carries CE, and RoHS certifications for quality and safety assurance.

The Lanmus LM-2421FUGP represents the perfect balance between performance, reliability, and simplicity—an ideal solution for expanding PoE networks, enhancing video surveillance infrastructure, and powering smart devices efficiently in modern network environments.

Highlight Features

High-Performance Gigabit Connectivity

- 24 × 10/100/1000 Mbps PoE ports
- 2 × Gigabit RJ45 uplinks
- 1 × Gigabit SFP uplink
- Total switching capacity of 54 Gbps ensures smooth, high-speed data transfer.

Powerful PoE Capability

- Complies with IEEE802.3af/at (PSE) standards.
- Provides up to 30W per port and 370W total power budget.
- Ideal for IP cameras, VoIP phones, and wireless access points.

Enhanced Network Stability

- Store-and-forward architecture with 4MB memory buffer and 8K MAC table.
- Delivers uninterrupted performance and reliable packet forwarding.

Robust Protection Design

- Built-in 6KV lightning protection and 8KV ESD protection (IEC61000-4-5 / IEC61000-4-2).
- High anti-interference ability for stable operation in harsh environments.

Intelligent Security And VLAN Function

- Supports VLAN isolation to prevent broadcast storms and unauthorized access.
- CCTV mode ensures optimized video transmission for surveillance networks.

Plug-And-Play Simplicity

- No configuration required—connect devices and start operating instantly.
- Compact, durable metal housing for easy desktop or rack installation.

SPECIFICATION

MODEL	LM-2421FUGP
Downstream Ports	24 * 10/100/1000 Base-T (PoE)
Uplink Ports	2 * 10/100/1000 Base-T RJ-45 1 * 1000 Base-X SFP
Network Standard	IEEE802.3 IEEE802.3u IEEE802.3X IEEE802.3ab
Switch Capacity	54Gbps
Throughput	40.176Mpps
Switch Processing Scheme	Store and Forward
Memory Buffer	4M
MAC Table	8K
PoE Standard	802.3af/at(PSE)
PsE Type	End-span
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Output	Single port power 15.4W, maximum port power 30W
PoE Total Power	370W
Lightning protection	6KV Execute : IEC61000-4-5
ESD	6KV Contact discharge 8KV Air discharge Execute : IEC61000-4-2

SPECIFICATION

MODEL	LM-2421FUGP
Power Supply	52V/5.76A
Power Dissipation	<20W
Work temperature	20°C~55°C
Storage temperature	20°C~75°C
Humidity (Noncondensing)	5%-95%
Dimension (L ×W × H)	310mm*210mm*44mm
Regulator	CE,ROHS
PoE output power	Each port has a power supply of 15.4w and a maximum power of 30w per port total power of 370W
PoE Total Power	370W

CONTENT

27 port 10/100/1000M PoE Ethernet switch	1 unit
Power line	1 article
User Guide	1 book
Warranty Card	1 sheet



Unmanaged Switch

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