

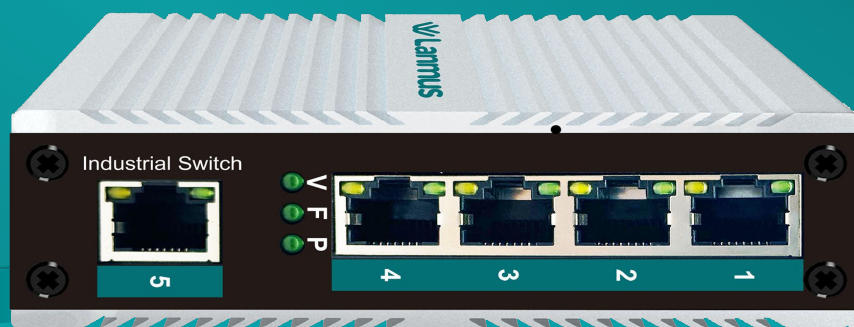


LM-500UGP-I

DATASHEET

Industrial Unmanaged PoE Switch 4 Port 10/100/1000 Base-T

The LM-500UGP-I is an industrial 10/100/1000M PoE Ethernet switch designed for harsh environments and long-term stable operation. Featuring 4 PoE ports with up to 30W per port and a 1000 Base-T uplink port, it supports full line-rate forwarding and ensures reliable power delivery. Built for industrial adaptability—including mechanical, climate, and electromagnetic resilience- with IP40 protection, dual redundant power supply, low power consumption, and fanless cooling, it provides a robust, cost-effective networking solution.



PRODUCT INTRODUCTION

Product Overview

The LM-500UGP-I is a 10/100/1000M industrial PoE Ethernet switch independently developed by Lanmus. It is designed to meet industrial fields and can operate stably for a long time in harsh environments.

It has 4 × 10/100/1000M PoE ports (each port has a power supply of 15.4W and a maximum power of 30W per port) and 1 × 1000 Base-T uplink port. Each port can support full line-rate forwarding.

The LM-500UGP-I industrial PoE Ethernet switch has excellent industrial field environment adaptability (including mechanical stability, climate adaptability, electromagnetic environment adaptability, etc.), with a protection level up to IP40.

It can support dual redundant power supply, low power consumption, and no-fan cooling technology, and comes with a 3-year warranty.

It is suitable for industrial scenes such as intelligent transportation, rail transit, electric power, mining, metallurgy, and green energy construction to form a cost-effective and stable communication network.

Highlight Features

1000M Ethernet Access

- Support "10/100/1000M PoE port and uplink 10/100/1000M port" combination, which enables users to flexibly build networking to meet the needs of various scenarios.
- Support non-blocking wire-speed forwarding.
- Support full-duplex based on IEEE802.3x and half-duplex based on backpressure.

LM-500UGP-I

Port Lightning Protection, Wide Voltage Input

- Contact discharge 8KV, air discharge 15KV; port lightning protection common-mode 4KV, differential mode 2KV.
- Industrial dual power input.
- PoE DC INPUT: 48V–57V.

Stable & Reliable

- CE, RoHS.
- Low power consumption, no fan, aluminum shell.
- The user-friendly panel can show the device status through the LED indicators: PWR, Link.

SPECIFICATION

MODEL	LM-500UGP-I
INTERFACE CHARACTERISTICS	
Fixed Port	4 * 10/100/1000 Base-T PoE port 1 * 10/100/1000 Base-T uplink port
Ethernet Port	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 meter) 100 BASE-T: Cat5e or later UTP(≤100 meter) 1000 BASE-T: Cat5e or later UTP(≤100 meter)
CHIP PARAMETER	
Forwarding Mode	Store and Forward(Full Wire Speed)

SPECIFICATION

MODEL	LM-500UGP-I
CHIP PARAMETER	
Network Protocol	IEEE802.3 10 BASE-T, IEEE802.3i 10 Base-T, IEEE802.3u 100 Base-TX, IEEE802.3u100 Base-SX, IEEE802.3x]IEEE802.3ab 1000Base-T ; IEEE802.3z 1000Base-X;
Switching Capacity	10Gbps
Buffer Memory	7.44Mpps
MAC	8K
LED Indicator	Power Indicator Light P : 1 Green On the PoE seat Yellow:Indicate PoE Green: Indicates network working status
POE CHARACTERISTICS	
Power supply	DC : 48-57V
PoE power supply method	Supports 1,2+ , 3,6-power supply
PoE output power	Each port has a power supply of 15.4w and a maximum power of 30w per port
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)	116mm* 86.5mm*32.5mm
Installation	Desktop, DIN rail



Industrial Unmanaged Switch

DATA SHEET | LM-500UGP-I



LANMUS.COM