

# 4-Port LumiPoE Gigabit Switch

SML-6GPA



## Overview

- Layer 2 Network Management PoE Ethernet Switch
- Four (4) Gigabit PoE Ports and Two (2) Uplink Ports (RJ-45 Ports)
- Total PoE Budget: 60 W
- Supports IEEE802.3af, and IEEE802.3at Standards
- Web-Based and Cloud-Based Management Interface
- Extendable PoE Signal Up to 820 ft (250 m) at 10 Mbps
- Switching Capacity: 12 Gbps

## Certifications

- NDA A Compliant
- FCC

## Key Features

### Intelligent PoE

This switch lets users control power consumption and monitor power consumption changes in real time. This feature prioritizes the most important ports while preventing malfunction during power consumption rate changes.

### PoE Watchdog

This switch includes PoE watchdog capabilities to ensure the switch is running properly at all times. The switch is able to monitor the status of connected PoE devices and reboots the device when problem occurs.



# Specifications

## Hardware

PoE Ports	4 x 10/100/1000 Mbps PoE/PoE+
Uplink Ports	2 x 10/100/1000 Mbps RJ-45
PoE Standards	IEEE802.3af (PoE), IEEE802.3at (PoE+)
Network Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab
PoE Ports Power	Ports 1 to 4: ≤ 60 W (PoE+)
Total Power Budget	60 W
PoE Pin Assignment	1, 2, 4, 5, (V+), 3, 6, 7, 8 (V-)

## Performance

Switching Capacity	12 Gbps
Packet Forwarding Rate	8.9 Mpps
Packet Buffer Size	8,000
MAC Table Size	4.1 Mbit
MTBF	222.36 Years

## Features

Layer	2
Port Configuration	Port Rate Configuration, Flow Control, and Port Enabling
PoE Watchdog	PoE ports automatically detect and restart unresponsive cameras.
Long Distance Transmission	Up to 820 ft (250 m) at 10 Mbps on PoE Ports
VLAN	Port-Based
VLAN Number	32
IEEE 802.3x Flow Control	Supported
Storm Control	Unknown Unicast, Multicast, and Broadcast
Port Mirroring	Supported
Port Isolation	Supported
LLDP	Supported
DHCP Function	Client

## Electrical

Power Supply	53 VDC, 1.226 A, External Power Supply
Power Consumption	Idle: 2.5 W Total: 65 W
Surge Protection	Power Port: 4 kV/2 kV Telecom Port: 8 kV

## General

Operating Temperature	-10 °C to +55 °C (+14 °F to +131 °F)
Operating Humidity	5% to 95% (RH), Non-Condensing
Storage Temperature	-40 °C to +70 °C (-40 °F to +158 °F)
Storage Humidity	5% to 95% (RH), Non-Condensing
Product Dimensions (L x W x H)	130 mm x 90 mm x 26 mm (5.11 in. x 3.54 in. x 1.02 in.)
Net Weight	0.29 kg (0.64 lb)
Gross Weight	0.94 kg (2.07 lb)
Construction Material	Metal
Certifications	FCC Part 15 Subpart B

## Transmission Performance

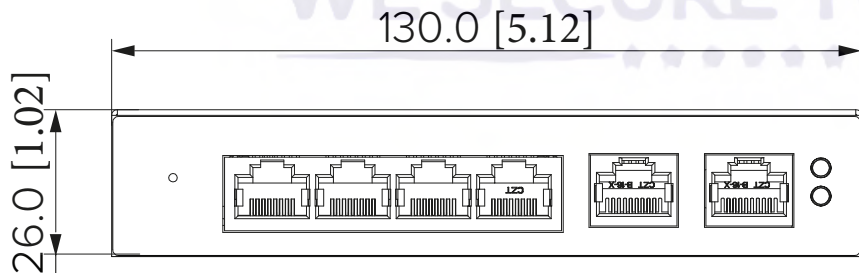
Switch power supply voltage 53V.  
CAT5E/CAT6. Max. DC resistance < 10Ω/328ft

PoE+ (30W)	Cable (ft)	Load Capacity (W)	Bandwidth (Mbps)
	328	25.5	1000
	492	25.5	10
	656	25.5	10
	820	25.5	10

Note: Data from this table was collected by Luminy Systems Corporation test lab and is for reference only. The actual transmission distance may vary due to power consumption of connected devices or the cable type and status.



**Dimensional Drawing**  
MM[IN.]



**Physical Interface**  
MM[IN.]