

# 8-Port LumiPower Unmanaged Megabit Switch (PoE++)

SUL-10MLA



## Key Features

- Eight (8) LumiPower PoE Ports for Long-Range Transmission
- Two (2) Gigabit Uplink Ports (One (1) SFP Port and One (1) RJ-45 Port)
- Total PoE Power Budget: 120 W
- DIN-Rail and Desktop
- Dual Power Inputs
- Operating Temperature Range: -30° to 65° C (-22° to 149° F)

## Certifications

- NDAA Compliant
- FCC

## Key Technologies

### LumiPower

LumiPower technology extends power and data transmission via a single Ethernet cable up to 3,000 feet without requiring repeaters. Ideal for simplifying installations in larger or more complex environments, LumiPower ensures consistent connectivity and dependable power management throughout security infrastructure.

### Up to 90 W Power Output on Supported Port

This switch allows port support for IEEE802.3af, IEEE802.3at, and IEEE802.3bt standards. It has a maximum power output of 90 W per port, making the switch suitable for devices with high power consumption rates.

### SFP Uplink Port

This switch has an SFP uplink port for scalable, long-distance, and flexible high-speed connections. It supports both Single-Mode Fiber (SMF) and Multimode (MMF). Depending on the type of SFP (small form-factor pluggable) used, users can connect the switch to other network devices using fiber optics.

### Hardened for Harsh Environments

This switch is built with hardened features to withstand harsh environments. These include a wide operating temperature range, a metal enclosure, fanless convection cooling, DIN-rail mounting, redundant power inputs, reverse polarity surge, ESD protection, passive cooling, and long MTBF.

# Specifications

## Hardware

PoE Ports	Eight (8) 10/100Mbps PoE/PoE+/PoE++ Ports
Uplink Ports	One (1) 100/1000Mbps SFP Port One (1) 10/100/1000Mbps RJ-45 port
PoE Standards	IEEE802.3af, IEEE802.3at (PoE+), IEEE802.3bt (PoE++)
Network Standards	IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3ab, IEEE802.3z
PoE Ports Power	Port 1 to 2: ≤ 90 W (PoE++) Ports 3 to 8: ≤ 30 W (PoE+)
Total Power Budget	120 W
PoE Pin Assignment	1, 2, 4, 5, (V+), 3, 6, 7, 8 (V-)

## Performance

Switching Capacity	8.8 Gbps
Packet Forwarding Rate	5.36 Mpps
Packet Buffer Size	2.75 Mbit
MAC Table Size	8,000
MTBF	91.0 Years

## Electrical

Power Supply	54 VDC, 2.22 A, External Power Supply
Power Consumption	Idle: 3.2 W Total: 120.0 W
Surge Protection	Power Port: 4 kV/2 kV Telecom Port: 8 kV

## Construction

Net Weight	0.6 kg (1.2 lb)
Gross Weight	1.9 kg (4.2 lb)
Operating Temperature	-30 °C to 65 °C (-22 °F to 149 °F)
Operating Humidity	10% to 90% (RH), Non-Condensing
Product Dimensions (L× W × H)	150.0 mm × 110.4 mm × 42.0 mm (5.9 in. × 4.4 in. × 1.7 in.)
Casing Material	Metal

## Certifications and Compliance

Certifications	FCC Part 15 Subpart B
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## Dimensional Drawings

mm [in.]

