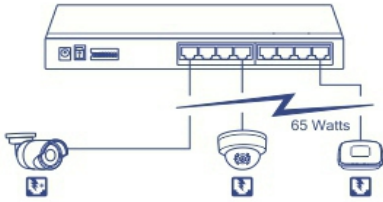# TRENDnet®

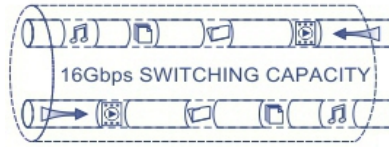# 8-Port Gigabit Long Range PoE+ Switch

TPE-LG80 (v1.0R)

- Easy installation
- 8 x Gigabit PoE+ ports
- Enable the DIP switch to extend PoE+ signal up to 200m (656 ft.) at 10Mbps
- DIP switch supports VLAN port isolation and QoS
- 16Gbps switching capacity
- 65W PoE budget
- Wall mountable design
- Sturdy metal switch
- Use with TRENDnet's PoE splitter to network and power non-PoE devices

The 8-Port Gigabit Long Range PoE+ Switch, model TPE-LG80, delivers data and power over Ethernet cables to PoE devices such as access points, VoIP phones, and IP cameras. It supports both PoE and PoE+ devices with a 65W PoE power budget. Enable the DIP switch to extend the PoE+ signal up to 200m (656 ft.) at 10Mbps for long distance PoE installations. Plug and play this sturdy metal switch for reliable high-speed PoE networking. Its fanless design is perfect for quiet environments that require silent operation.
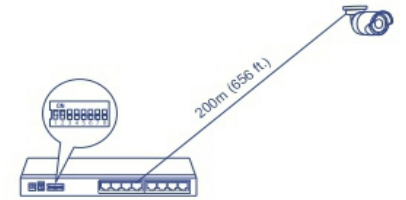
PoE+ Power
A 65W PoE power budget supports up to eight Power over Ethernet devices.
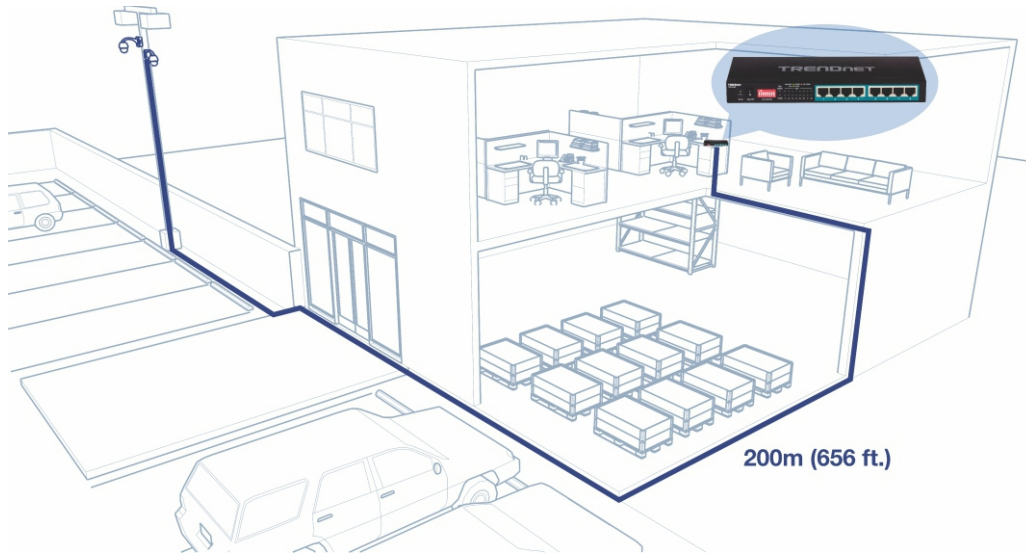
Gigabit
Eight gigabit ports provide a 16Gbps switching capacity to support edge network installations.

Long Range PoE+ Switch
Enable the DIP switch to extend the PoE+ signal up to 200m (656 ft.) at 10Mbps.

Networking Solution

200m (656 ft.)

PoE+
Supplies up to 30W of PoE+ power per PoE port with a 65W total power budget

Switching Capacity
16Gbps switching capacity

LED Indicators
LED indicators convey PoE and port status

Ports
Eight gigabit PoE+ ports

Housing
Wall mountable metal housing

Long Range PoE+ Switch
Enable the DIP switch to extend the PoE+ signal up to 200m (656 ft.) for long distance PoE installations

Port Isolation
Ideal for surveillance networking applications, the DIP switch also enables port isolation

TRENDnet

Specifications

Standards	• IEEE 802.3 • IEEE 802.3u • IEEE 802.3ab • IEEE 802.3x • IEEE 802.3p • IEEE 802.3af • IEEE 802.3at • IEEE 802.3az
Device Interface	• 8 x Gigabit PoE+ ports • LED indicators • DIP switch
Data Transfer Rate	• Ethernet: 10Mbps (half duplex), 20Mbps (full duplex) • Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex) • Gigabit Ethernet: 2000Mbps (full duplex)
Performance	• Switch Fabric: 16Gbps • RAM Buffer: 192KB • MAC Address Table: 4K entries • Jumbo Frames: 9KB • Forwarding rate: 11.9Mpps (64-byte packet size)

DIP Switch	Switch	Status	Function
	1	OFF	Ports 1 & 2: Default gigabit PoE+
		ON	Ports 1 & 2: Long range PoE+ up to 200m at 10Mbps
	2	OFF	Ports 3 & 4: Default gigabit PoE+
		ON	Ports 3 & 4: Long range PoE+ up to 200m at 10Mbps
	3	OFF	VLAN port isolation disabled
		ON	VLAN port isolation on ports 1-4
	4	OFF	QoS disabled
		ON	QoS Enabled: Video & Voice – High Priority
	5	OFF	Port 5: Default gigabit PoE+
		ON	Port 5: Long range PoE+ up to 200m at 10Mbps
	6	OFF	Port 6: Default gigabit PoE+
		ON	Port 6: Long range PoE+ up to 200m at 10Mbps
	7	OFF	Port 7: Default gigabit PoE+
		ON	Port 7: Long range PoE+ up to 200m at 10Mbps
	8	OFF	VLAN port isolation disabled
		ON	VLAN port isolation on ports 5-7

*DIP Switch 3 & 8 cannot be enabled at the same time

Special Features	• Long range PoE+ up to 200m at 10Mbps • VLAN port isolation • 802.1p Class of Service (CoS) • Wall mountable
Power	• Input: 100 – 240 V AC, 50/60Hz, 2.5A • Output: 55V DC, 1.3A external power adapter • Max. consumption: 70.6W
PoE	• PoE budget: 65 Watts • PoE Mode A: Pins 1,2 for power and pins 3,6 for power
Operating Temperature	• 0° – 40 °C (32° – 104 °F)
Operating Humidity	• Max. 90% non-condensing
Dimensions	• 240 x 105 x 27mm (9.45 x 4.13 x 1.1 in.)
Weight	• 592g (20.9 oz.)
Certifications	• CE • FCC
Warranty	• Lifetime Warranty*

PACKAGE CONTENTS

• TPE-LG80
• Quick Installation Guide
• Power brick (55V DC, 1.3A)
• Power cord (1.8m/6 ft.)

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