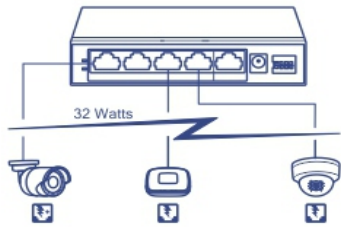# TRENDNET®

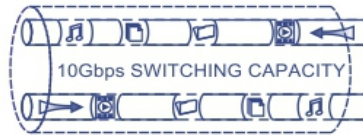# 5-Port Gigabit Long Range PoE+ Switch

TPE-LG50 (v1.0R)

- Easy installation
- 4 x Gigabit PoE+ ports and 1 x Gigabit ports
- Enable the DIP switch to extend PoE+ signal up to 200m (656 ft.) at 10Mbps
- DIP switch supports VLAN port isolation and QoS
- 10Gbps switching capacity
- 32W PoE budget
- Wall mountable design
- Sturdy metal switch
- Use with TRENDnet's PoE splitter to network and power non-PoE devices

The 5-Port Gigabit Long Range PoE+ Switch, model TPE-LG50, delivers data and power over existing Ethernet cables to Power over Ethernet (PoE) devices such as access points, VoIP phones, and IP Cameras. It supports both PoE (802.3af) and PoE+ (802.3at) devices with a 32W PoE 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.
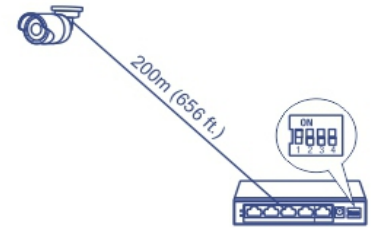
PoE+ Power
A 32W PoE power budget supports up to four Power over Ethernet devices.
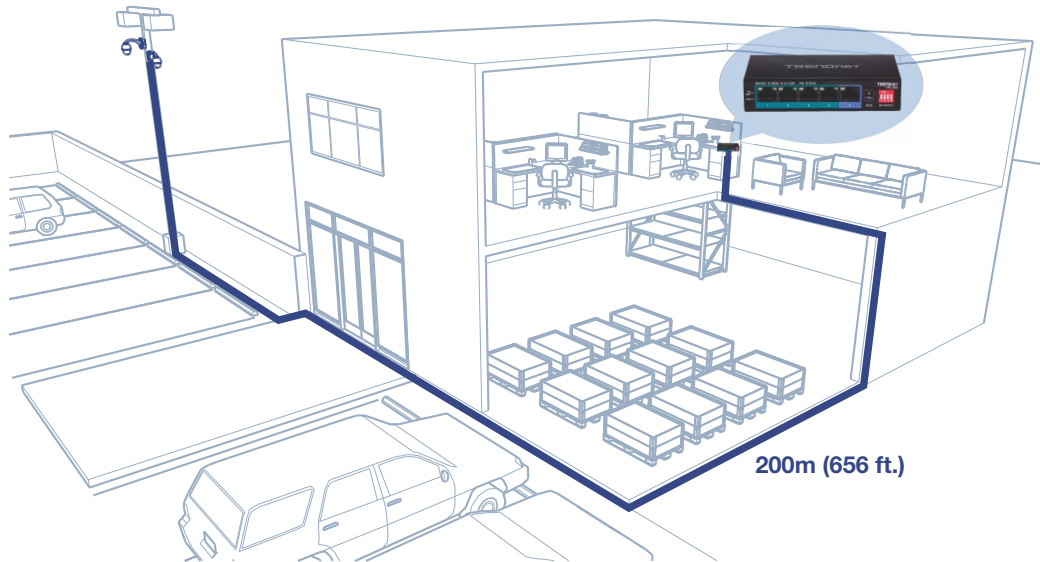
Gigabit
Five Gigabit ports provide a 10Gbps switching capacity to support edge network installations.

Long Range PoE+ Switch
Enable the DIP switch to extend 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 32W power budget

Ports
Four Gigabit PoE+ ports and one Gigabit ports

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

Switching Capacity
10Gbps switching capacity

Housing
Wall mountable metal housing

Port Isolation
Ideal for surveillance networking applications, the DIP switch also enables port isolation on ports 1 – 4

LED Indicators
LED indicators convey PoE and port status

TRENDnet®

Specifications

Standards	• IEEE 802.3 • IEEE 802.3u • IEEE 802.3ab • IEEE 802.3x • IEEE 802.3p • IEEE 802.3af • IEEE 802.3at
Device Interface	• 4 x Gigabit PoE+ ports • 1 x Gigabit port • DIP switch • LED indicators
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: 10Gbps • RAM Buffer: 128KB • MAC Address Table: 2K entries • Jumbo Frames: 9KB • Forwarding rate: 7.44Mpps (64-byte packet size)
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, 1.2A • Output: 54V DC, 0.7A external power adapter • Max. consumption: 36.3W
PoE	• PoE budget: 32W • 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	• 121 x 75 x 26mm (4.76 x 2.95 x 1 in.)
Weight	• 246g (8.68 oz.)
Certifications	• CE • FCC
Warranty	• Lifetime Warranty*

PACKAGE CONTENTS

• TPE-LG50
• Quick Installation Guide
• Power adapter (54V DC, 0.7A)

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

20675 Manhattan Place • Torrance • CA 90501 • USA • T: 1-888-326-6061 • F: 1-310-961-5511 • sales@trendnet.com • www.TRENDnet.com

Updated: 10/8/2018