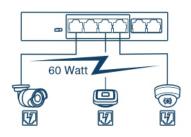# TRENDnet®



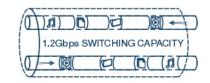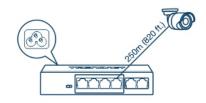# 6-Port Unmanaged Fast Ethernet Long Range PoE+ Switch

TE-FP051 (v2.0R)

- Easy installation
- 4 x Fast Ethernet PoE+ ports and 2 x Fast Ethernet ports
- Enable the DIP switch to extend the PoE+ signal up to 250m (820ft.) at 10Mbps
- 1.2Gbps switching capacity
- 60W PoE budget
- Wall mountable design
- Sturdy metal switch
- Use with TRENDnet's PoE splitter to network and power non-PoE devices
- 3-year warranty

The 6-Port Unmanaged Fast Ethernet Long Range PoE+ Switch, model TE-FP051, 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 60W PoE budget. This Unmanaged Fast Ethernet Long Range PoE+ Switch works up to 250m (820 ft.) away for longer distance PoE applications. It features a fanless design, and has a convenient option for wall-mounting.

# TRENDnet®



### PoE+ Power
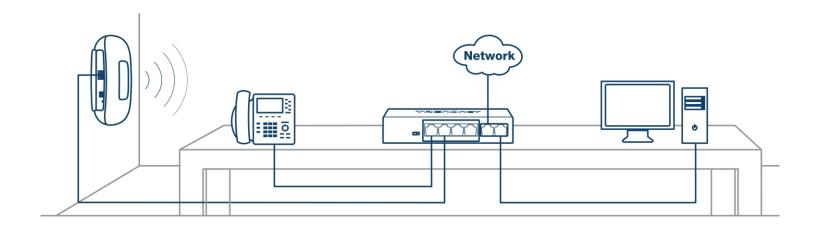A 60W PoE power budget supports up to four Power over Ethernet devices.
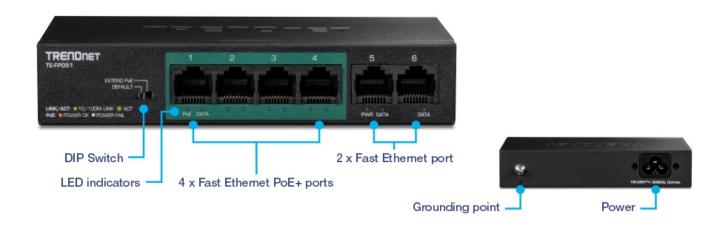
### Fast Ethernet (10/100Mbps)
Six Fast Ethernet ports provide a 1.2Gbps switching capacity to support edge network installations.

### Long Range PoE+ Switch
Extend the PoE+ signal up to 250m (820 ft.) at 10Mbps for long distance PoE installations.

## NETWORKING SOLUTION





DIP Switch

LED indicators

4 x Fast Ethernet PoE+ ports

2 x Fast Ethernet port

Grounding point

Power

# FEATURES

**PoE+**
Supplies up to 30W of PoE+ power per PoE port with a 60W total power budget

**Ports**
Four Fast Ethernet PoE+ ports and two Fast Ethernet ports

**Long Range PoE+**
Enable the DIP switch to extend the PoE+ signal up to 250m (820 ft.) at 10Mbps for long distance PoE installations

**Switching Capacity**
1.2Gbps switching capacity

**Housing**
Wall mountable metal housing

**LED Indicators**
LED indicators convey PoE and port status

# SPECIFICATIONS

**Standards**
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3af
- IEEE 802.3at

**Device Interface**
- 4 x Fast Ethernet PoE+ ports
- 2 x Fast Ethernet port
- DIP Switch
- LED indicators
- Wall mountable

**Data Transfer Rate**
- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)

**Performance**
- Data RAM Buffer: 448Kbits
- Switch Fabric: 1Gbps
- MAC Address Table: 1K entries
- Jumbo Frame: 15KB
- Forwarding rate: 0.89Mpps (64-byte packet size)

**AC Power**
- Input: 100 – 240V AC, 50/60Hz, 1.5A, internal power supply
- Max. consumption: 1.5W (no PD)

**PoE**
- PoE budget: 60W
- Mode A: Pins 1, 2, 3, and 6 for power
- Over current protection
- Short circuit protection

**MTBF**
- > 500,000 hours

**Operating Temperature**
- 0° – 40° C (32° – 104° F)

**Operating Humidity**
- Max. 95% non-condensing

**Dimensions**
- 140 x 75 x 28mm (5.5 x 3 x 1.1 in.)

**Weight**
- 340g (12 oz.)

**Certifications**
- CE
- FCC

**Warranty**
- 3 year

**Package Contents**
- TE-FP051
- Quick Installation Guide
- Power Adapter (48V DC, 1.35A)

All references to speed are for comparison purposes only. Product specifications, size, and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

Updated: 4/19/2022