

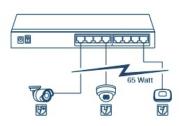
# 8-Port Gigabit PoE+ Switch

TPE-TG83 (v1.0R)

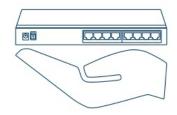
- 8 x Gigabit PoE+ ports
- 65W PoE power budget
- 16Gbps switching capacity
- IEEE 802.1p QoS and DSCP pass-through support
- Compact fanless design
- · Wall-mountable metal housing
- Lifetime Warranty

TRENDnet's 8-Port Gigabit PoE+ Switch, model TPE-TG83, reduces equipment and installation costs by delivering data and power over existing Ethernet cables. With PoE technology, users only need one set of cables to deliver both data and power. This compact network switch provides eight gigabit PoE+ ports with a total PoE power budget of 65W. The TPE-TG83 PoE+ switch allows you to network PoE devices, such as wireless access points, IP cameras, VoIP phones, IP video encoders, access controls, and more. It features a fanless design, and has a convenient option for wall mounting.









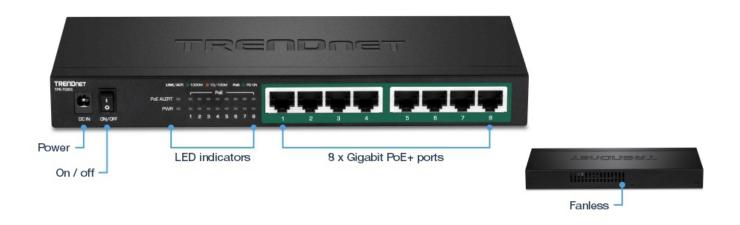
**PoE+**A 65W PoE power budget supports up to eight Power over Ethernet devices.

# **Gigabit Ports**

Eight gigabit PoE+ ports provide a 16Gbps switching capacity to support edge network installations.

# **Compact Design**

Compact, lightweight, and fanless, this switch is designed for desktops and quiet environments.





# **FEATURES**



PoE+

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



# **Gigabit Ports**

8 x Gigabit PoE+ Ethernet ports



## **Compact Design**

With a compact and lightweight metal housing design, this switch is well-suited for desktop installations



#### **Fanless**

Fanless design is ideal for quiet environments that require silent operation



Switching Capacity
16Gbps switching capacity



Jumbo Frame

Sends Jumbo Frames (up to 9KB) for increased performance



LED Indicators

LED indicators convey port status

# **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**

- 8 x Gigabit PoE+ ports
- · 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: 16Gbps

• RAM Buffer: 192KB

· MAC Address Table: 4K entries

• Jumbo Frames: 9KB

 Forwarding rate: 11.9Mpps (64-byte packet size)

#### **Special Features**

- 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: 71W

#### PoE

- PoE budget: 65W
- 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

• 580g (20.45 oz.)

## Certifications

- CE
- FCC
- LVD

# Warranty

Lifetime

# **Package Contents**

- TPE-TG83
- Quick Installation Guide
- Power adapter (55V DC, 1.3A)

TRENDnet offers a lifetime warranty for all of its metal-enclosed network switches that have been purchased in the United States/Canada on or after 1/1/2015. Cooling fan and internal power supply carry a one-year warranty.