



## 8-Port 2.5G PoE++ Switch

TPE-BG380 (v1.xR)

- 8 x 2.5G PoE++ ports
- 230W PoE power budget
- Backwards compatible with 10/100/1000Mbps devices
- Compatible with existing Cat5e or better cabling
- Fanless design eliminates noise
- Wall mountable for installation flexibility
- 40Gbps switching capacity
- IEEE 802.3bz (2.5G) compliant
- Supports IEEE 802.3af/at/bt
- NDAA / TAA compliant (U.S. and Canada only)
- Lifetime Warranty

Expand your network's bandwidth and reduce traffic bottlenecks with TRENDnet's 8-Port 2.5G PoE++ Switch, model TPE-BG380. This 2.5G PoE++ switch is equipped with 2.5GBASE-T RJ-45 ports that provide multi-gigabit speeds capable of up to 2.5Gbps over your existing Cat5e or better cabling. This multi-gigabit PoE++ switch features a durable metal enclosure and can be mounted to the wall for setup flexibility. The fanless design lowers energy consumption and eliminates distracting operating noise.

TRENDnet's reliable 2.5G PoE++ switches are cost-effective solutions to increase your network's throughput. A 230W total PoE power budget on this multi-gig PoE++ switch supplies up to eight PoE devices with up to 95W per port. Easily network PoE devices such as high-power wireless access points, cameras, digital signage, IPTV decoders, access controls, and more with this high-power 2.5 gigabit PoE++ switch.



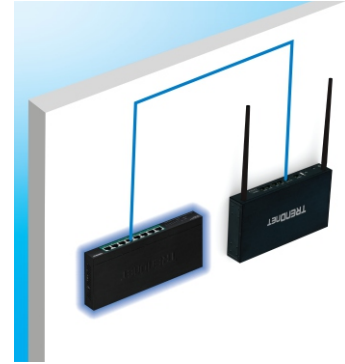
### 2.5G Ports

Equipped with 2.5GBASE-T RJ-45 ports that provide multi-gigabit speeds capable of up to 2.5Gbps over existing Cat5e or better cabling.



### PoE++

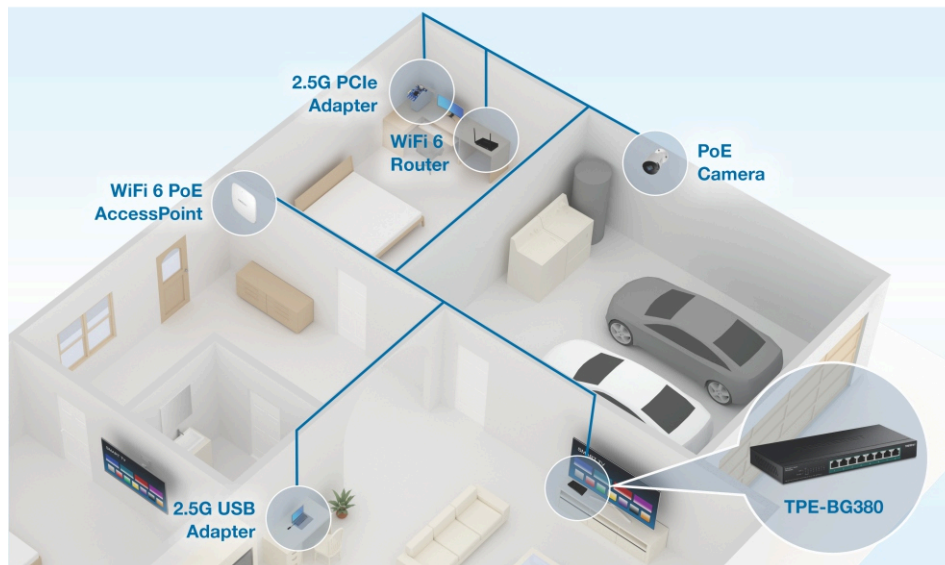
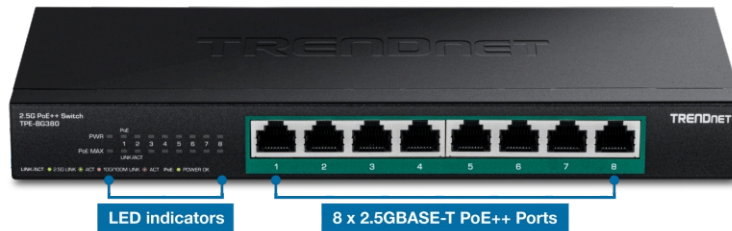
A 230W total PoE power budget on this 2.5G PoE++ switch supplies up to eight PoE++ devices with up to 95W per port.



### Wall Mountable

The 2.5G PoE++ switch features a metal housing, and a convenient wall mountable design for greater installation flexibility.

## NETWORKING SOLUTION



## FEATURES



### Easy Installation

No configuration needed, simply connect network devices to the 2.5G multi-gig PoE++ switch



### 2.5G Ports

Equipped with 2.5GBASE-T RJ-45 ports, this multi-gigabit PoE++ switch provides higher gigabit speeds capable of up to 2.5Gbps over existing Cat5e or better cabling



### PoE++

A 230W total PoE power budget on this 2.5G PoE++ switch supplies up to eight PoE/PoE+/PoE++ devices with up to 95W per port



### Backward Compatibility

Backwards compatible with 10/100/ 1000Mbps legacy devices



### Fanless

Fanless design lowers energy consumption and eliminates operating noise



### Housing Design

Sturdy metal housing



### Wall Mountable

Features a convenient wall mountable design for better installation flexibility



### Jumbo Frame

Sends larger packets, or Jumbo Frames (up to 12KB), for increased performance



### Switching Capacity

40Gbps switching capacity



### LED Indicators

LED indicators on the 2.5G PoE++ switch convey port status

## SPECIFICATIONS

### Standards

- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3bt
- IEEE 802.3bz

### Device Interface

- 8 x 2.5GBASE-T PoE++ ports
- LED indicators

### Data Transfer Rate

- Ethernet: 10Mbps (half duplex), 20Mbps (full duplex)
- Fast Ethernet: 100Mbps (half duplex), 200Mbps (full duplex)
- Gigabit: 2000Mbps (full duplex)
- 2.5 Gigabit: 5Gbps (full duplex)

### Performance

- Data RAM Buffer: 1 MB
- Switch Capacity: 40Gbps
- MAC Address Table: 4K entries
- Forwarding rate: 29.76Mpps (64-byte packet size)
- Jumbo Frame: 12KB

### Special Features

- Wall Mountable
- Fanless

### Power

- Input: 100 – 240V AC, 50/60Hz 3.9A
- Output: 54V/4.7A
- Max. consumption: 9.5W (no PD)

### PoE

- PoE budget: 230W
- PoE++: Up to 95W per port
- Pins 1, 2, 7, 8 for power - and pins 3, 6, 4, 5 for power +
- Over current protection
- Short circuit protection

### MTBF

- 288,800 hours

### 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 1.06 in.)

### Weight

- 716g (1.57 lbs.)

### Certifications

- CE
- FCC

### Warranty

- Lifetime Warranty

### Package Contents

- TPE-BG380
- Quick Installation Guide
- Power brick (54V, 4.7A)
- Power cord (1.5m / 4.9 ft.)

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.

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.