



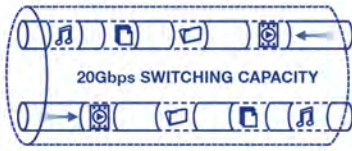
## 10-Port Gigabit PoE++ Switch

TPE-BG102g (v1.0R)

- 4 x Gigabit PoE++ ports (up to 95W)
- 4 x Gigabit PoE+ ports (up to 30W)
- 2 x Gigabit SFP Slots
- 240W PoE power budget
- 20Gbps switching capacity
- Internal power supply
- Fanless design for silent operation
- Sturdy 1U 19" rack mountable metal housing
- Lifetime Warranty

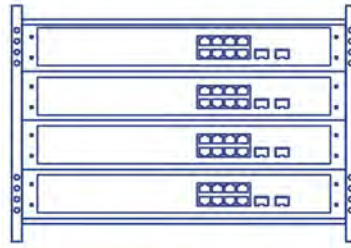
TRENDnet's Unmanaged Gigabit PoE++ Switches provide high bandwidth performance, ease of use, and reliability. These IEEE 802.3bt compliant switches feature a sturdy 1U 19" rack mountable metal housing with mounting brackets included. These high power PoE++ switches also offer SFP slots for long distance fiber network applications.

Installers and integrators can save on equipment costs and reduce installation time with TRENDnet's unmanaged high power PoE++ switches by delivering up to 95W per port of PoE++ power and data over existing Ethernet cables. Easily network PoE devices such as high-power wireless access points, PTZ cameras, digital signage, IPTV decoders, access controls, and more with these high power PoE++ switches.



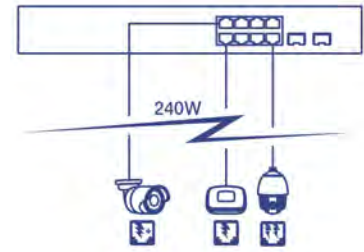
### Gigabit Ports

Gigabit ports provide a full switching capacity to this high power PoE++ switch, with SFP slots for long distance fiber applications.



### Hardware Design

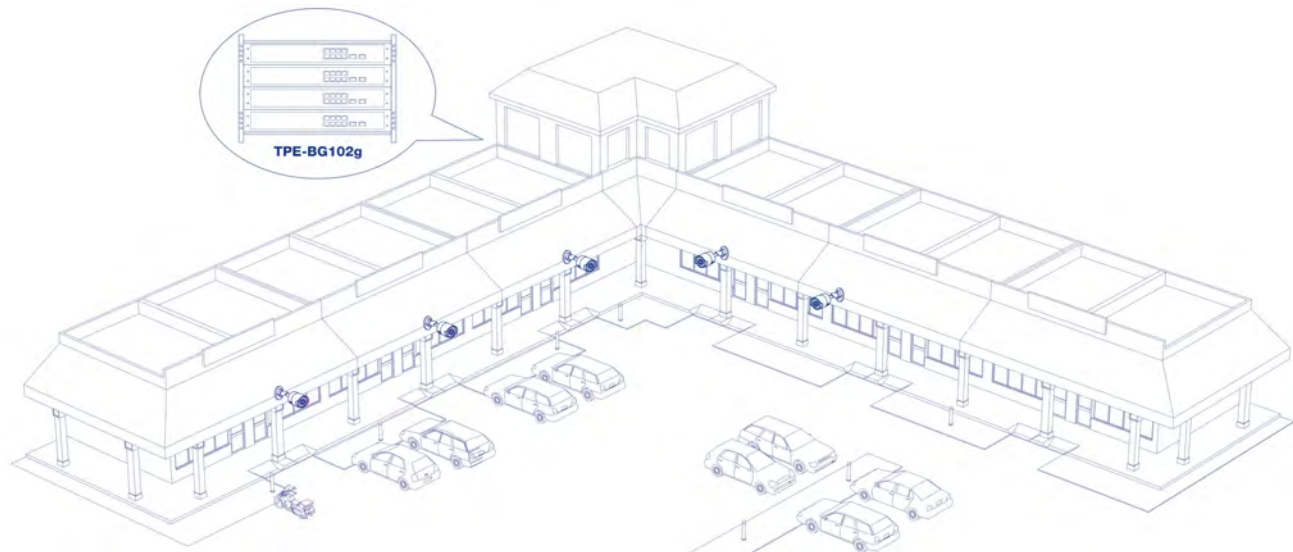
With a sturdy metal housing and rackmount brackets included, this high power PoE++ switch is well-suited for 19" 1U rack installations.



### PoE Power

A 240W total PoE power budget on this high power PoE++ switch supplies four PoE++ devices with up to 95W per port, and four PoE+ devices with up to 30W per port.

## NETWORKING SOLUTION



- LED indicators
- 4 x Gigabit PoE++ ports (up to 95W)
- 4 x Gigabit PoE+ ports (up to 30W)
- 2 x Gigabit SFP Slots

## FEATURES



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### Gigabit Ports

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### Jumbo Frame

Sends larger packets, or Jumbo Frames, for increased performance



### Fanless

Fanless design lowers energy consumption and eliminates operating noise



### LED Indicators

LED indicators conveniently convey port status on the high power PoE++ switches

## SPECIFICATIONS

### Standards

- IEEE 802.1p
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3ab
- IEEE 802.3af
- IEEE 802.3at
- IEEE 802.3bt

### Device Interface

- 4 x Gigabit PoE++ ports
- 4 x Gigabit PoE+ ports
- 2 x Gigabit SFP Slots
- LED indicators

### Data Transfer Rate

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

### Performance

- Switch Fabric: 20Gbps
- RAM Buffer: 512KB
- MAC Address Table: 8K entries
- Forwarding Rate: 14.88Mpps (64-byte packet size)
- Jumbo Frames: 9KB

### Power

- Input: 100-240V AC, 50/60Hz, internal power supply
- Max. Consumption: 280W

### PoE

- PoE budget: 240W
- Port 1 – 4: up to 95W
- Port 5 – 8: up to 30W

### Fan/Acoustics

- Fanless design

### MTBF

- 427,588 hours

### Operating Temperature

- 0° – 40° C (32° – 104° F)

### Operating Humidity

- Max. 90% non-condensing

### Dimensions

- 330 x 230 x 44mm (13 x 9.0 x 1.7 in.)

### Weight

- 1.7kg (3.74 lbs.)

### Certifications

- CE
- FCC
- ETL

### Warranty

- Lifetime

### Package Contents

- TPE-BG102g
- Quick Installation Guide
- Rackmount kit
- Power Cord

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.

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.