



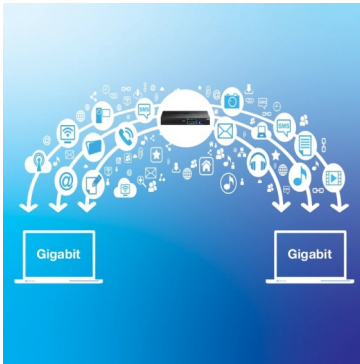
## 10-Port Gigabit PoE++ Switch

TPE-BG102g (v2.xR)

- 8 x Gigabit PoE++ ports
- 2 x Gigabit SFP ports
- 240W PoE power budget
- 20Gbps switching capacity
- Fast PoE minimizes wait time for powering up PoE devices
- Support VLAN pass through
- Internal power supply
- 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 highpower PoE++ switches also offer gigabit SFP ports for long-distance fiber networking 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. Fast PoE minimizes wait time for PoE devices by providing power immediately at boot up. Easily network PoE devices such as high-power wireless access points, 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 ports for long distance fiber applications.



### PoE Power

A 240W total PoE power budget on this 802.3bt switch supplies eight PoE++ devices with up to 95W per port.



### Hardware Design

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

## FEATURES



### Hardware Design

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



### PoE Power

A 240W total PoE power budget on this high-power PoE switch supplies eight PoE++ devices with up to 95W per port



### Fast PoE

This switch provides power to the PoE device within a few seconds of the switch receiving power. No need to wait for the switch to fully boot up.



### Gigabit Ports

Gigabit ports provide a full switching capacity to this highpower PoE++ switch



### SFP Ports

SFP ports supports long-distance fiber applications



### Jumbo Frame

Sends larger packets, or Jumbo Frames (9KB), for increased performance



### Smart Fan

Smart fan saves energy by autoadjusting the fan speed and use based on cooling needs



### Internal Power Supply

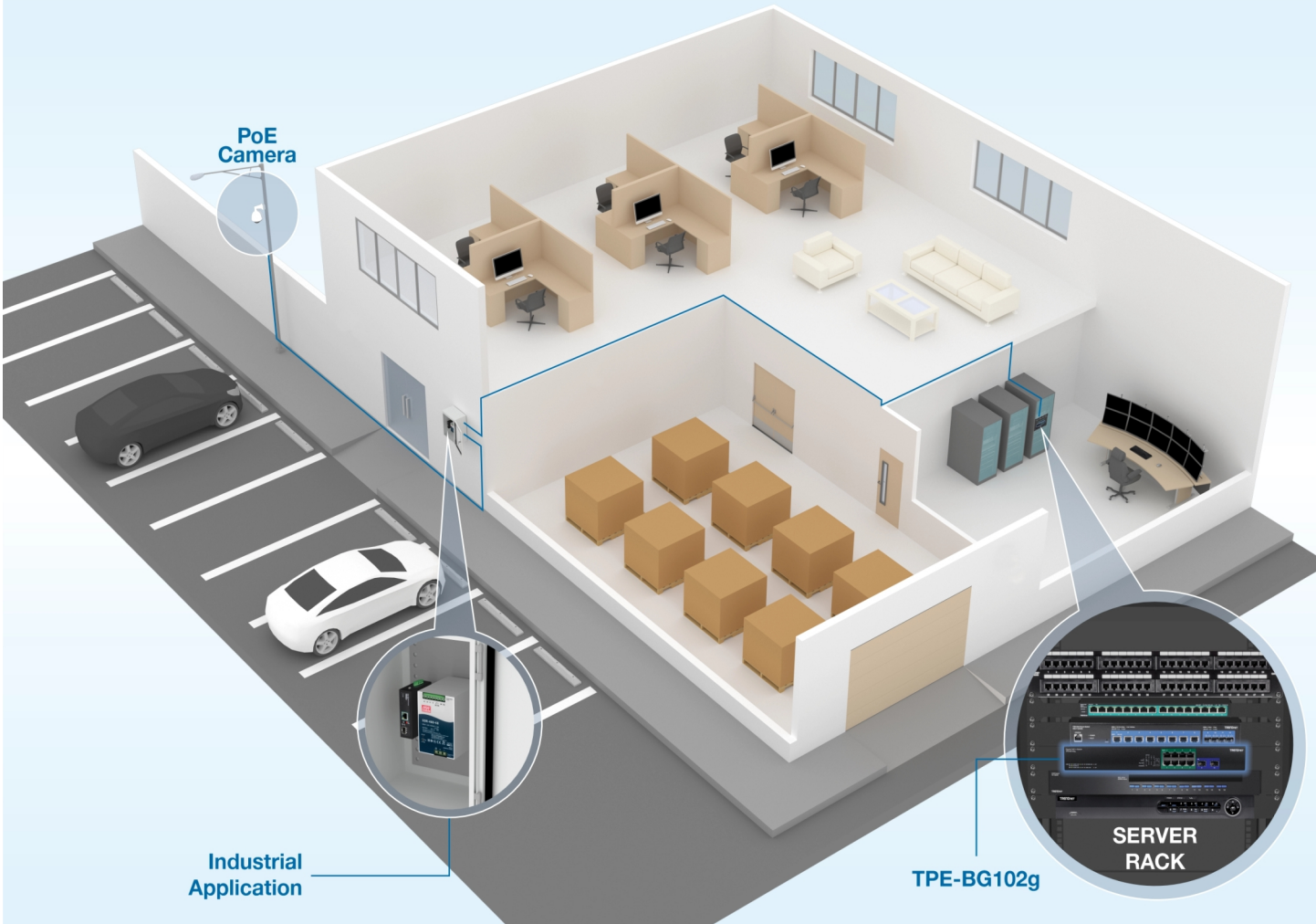
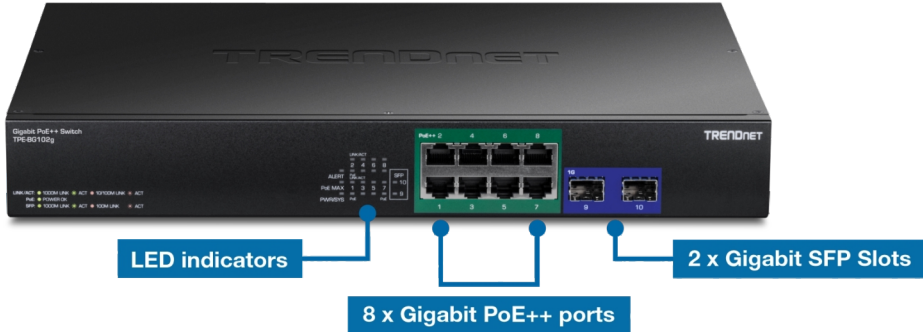
100-240VAC, 50/60Hz internal universal switching power supply



### LED Indicators

LED indicators conveniently convey port status on the highpower PoE++ switches

## NETWORKING SOLUTION



## SPECIFICATIONS

### Standards

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

### Device Interface

- 8 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: 218KB
- MAC Address Table: 8K entries
- Forwarding Rate: 14.88Mpps (64-byte packet size)
  - Jumbo Frames: 9KB

### Power

- Input: 100-240V AC, 50/60Hz, 2.8A internal power supply
- Output: 54V DC, 1.76A
- Max. Consumption: 280W

### PoE

- PoE++ up to 95W
- PoE budget: 240W
- Pin 1, 2, 4, 5 + ; 3, 6, 7, 8 -

### Fan/Acoustics

- Quantity: 1
- Smart Fan
- Noise Level: 55 dB (max.)

### 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

- 2.4kg (5.3 lbs.)

### Certifications

- CE
- FCC
- ETL

### Warranty

- Lifetime Warranty

### Package Contents

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

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.