



## 10G IEEE802.3bt PoE Splitter

**60W Isolated Power Output and 10G Data**

### BS524GT / BS519GT



#### Product Overview

The BS524GT is a 10Gigabit Power over Ethernet (PoE) Splitter, which splits a 10Gigabit Ethernet IEEE802.3bt PoE cable into a separated Gigabit Ethernet and an isolated 24VDC with 60W power output. It allows users to run 10Gigabit speed for CAT6A cables over a 100m distance away from 10G PoE switch while providing isolated 24VDC 60W output and separated data to power up the non-PoE 10G network devices.

With a DC-Jack connector for an isolated 24VDC power output, this BS524G also provides 2 LED indicators: **BT** and **Vout**. The **BT** LED indicates if the BS524G is powered by IEEE802.3bt 60W PoE Switch, and the **Vout** indicates if the 24VDC is ON. It saves cost when installing various 10G network devices in varied locations without AC adaptor outlets.

## Key Features

- Splitter Output Voltage: 24VDC with max 60W over PoE CAT6A 100meter distance
- Power Output Current: up to 2.5A with power isolation
- Ethernet devices at 10/100/1000M/2.5G/5G/10Gbps speeds within a compact device
- Auto-sensing power from IEEE802.3bt/at/af or Passive high power PSE devices
- Safeguards network device with over-current and short-circuit protection
- Converts Non-PoE devices with Power Over Ethernet Support
- Wider working temperature of 0 ~ 50°C
- Light weight and compact size with wall mounting capability
- Fan-less thermal diffusion design

## Interfaces

- 2-Port RJ-45 interfaces : 1x PoE (Data+Power) input, and 1x Data output
- DC-Jack Connector for 24VDC power output

## Power over Ethernet

- IEEE 802.3bt/at/af PoE standards compliant PD (Powered Device)
- Supports max. 60watt (24VDC x 2.5A) isolated power output
- Split the 48~56VDC power over RJ-45 Ethernet cable into 24VDC output
- Remote power feeding up to 100 meters at the 10Gigabit data

## Hardware

- Metal case with wall-mounting capability
- LED indicators for IEEE802.3bt PoE and Power voltage output
- Fan-less thermal diffusion design

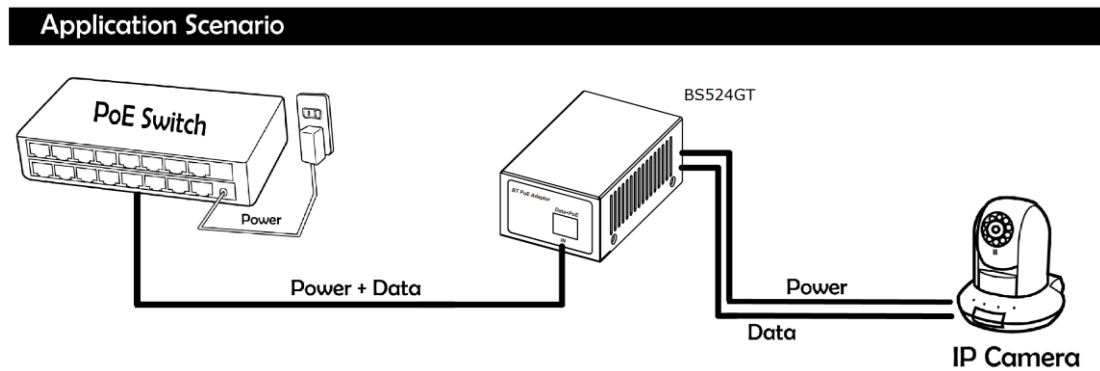
## Standard Compliances

- IEEE 802.3an, 10GBase-T
- IEEE 802.3bz 5G/2.5GBase-T
- IEEE 802.3 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-TX
- IEEE 802.3bt High Power over Ethernet
- IEEE 802.3at/af Power over Ethernet
- FCC Part 15 Class A, CE

Hardware Specification	
<b>Ethernet Interfaces</b>	Input Port (Front Panel) <ul style="list-style-type: none"> <li>■ 1 x RJ-45 UTP</li> <li>■ PoE (Data + Power) Input</li> </ul> Output Port (Back panel) <ul style="list-style-type: none"> <li>■ 1 x RJ-45 UTP</li> <li>■ DC 24V out</li> </ul>
<b>LED Indicators</b>	<b>Vout:</b> 24VDC output voltage is ON (Green) <b>BT:</b> PoE Power from IEEE802.3bt source (Green)
<b>PoE Power Source</b> <b>Network Cable</b>	802.3bt PoE (90W): 4-Pair UTP Cat.6A up to 100m (328ft) Midspan PoE (60W): 4-Pair UTP Cat.6A up to 100m (328ft)
<b>Data Rate</b>	10/100/1000M/1G/2.5G/5G/10Gbps Auto Sensing
<b>Dimensions (WxDxH)</b>	66 x 104 x 44 mm
<b>Weight</b>	280g
<b>Input Power Source</b>	CAT6A with PoE 48 ~ 56V DC
<b>Max Output Power</b>	60watts (24V/2.5A)
<b>Operating Temperature</b>	0 ~ 50°C
<b>Storage Temperature</b>	-10 ~ 70°C
<b>Humidity</b>	20 ~ 95% (Non-condensing)
Power over Ethernet	
<b>PoE Standard</b>	IEEE 802.3bt 90W Power over Ethernet
<b>PoE Power Input</b>	End-Span or Mid-Span auto detection
<b>Power Output</b>	DC 24V / 2.5A (Max. 60W) for CAT6A 100m distance
Standards Conformance	
<b>Standards</b> <b>Compliance</b>	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet

	IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE802.3an/bz 10G, 5G/2.5GBase-T 10Gigabit Ethernet IEEE 802.3bt High Power over Ethernet IEEE 802.3at/af Power over Ethernet High Power Midspan PoE
<b>Regulation Compliance</b>	FCC Part 15 Class A, CE

## Application Scenario



## Ordering Information

Part Number	Description
BS524GT	10/100/1000M/2.5/5/10GbE, IEEE802.3bt, 24VDC 60W PoE splitter
BS519GT	10/100/1000M/2.5/5/10GbE, IEEE802.3bt, 19VDC 60W PoE splitter
BS548GT	10/100/1000M/2.5/5/10GbE, IEEE802.3bt, 48VDC 60W PoE splitter

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