



IEEE802.3bt PoE Splitter

60W Isolated Power Output and Gigabit Data

BS512G / BS519G / BS524G

12VDC / 19VDC / 24VDC



Product Overview

The BS512G is a Gigabit Power over Ethernet (PoE) Splitter, which splits a Gigabit Ethernet IEEE802.3bt PoE cable into a separated Gigabit Ethernet and an isolated 12VDC with 60W power output. This device allows users to run Gigabit speed CAT5e cables over a 100m long distance and then split the PoE signal into separated data and high power output for powering the non-PoE network devices.

Equipped with a terminal block connector for an isolated 12VDC output, this BS512G compact device safeguards valuable network equipment with short-circuit and over-current protections. It saves cost when installing Thin Client PC, POS terminal, Touch Panel PC, Digital Signage Kiosk, LTE, WiMAX, WiFi AP, IP cameras and more in varied locations without electricity outlets. The BS519G, BS524G provide 19VDC, and 24VDC with 60W isolated power output, respectively.

Key Features

- Splitter Output Voltage: 12VDC with max 60W for PoE 100meter distance
- Power Output Current: up to 5A with isolation power circuitry
- Ethernet devices at 10/100/1000Mbps speeds within a compact device
- Auto-sensing power drawn 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 degree C
- Light weight and compact size with wall mounting capability
- Plug & Play

Interfaces

- 2-Port RJ-45 interfaces : 1x PoE (Data+Power) input, and 1x Data output
- 3-Pin Terminal Block for DC output power

Power over Ethernet

- IEEE 802.3bt/at/afPoE standards compliant
- Supports max. 60watt (12VDC x 5A) isolated power output
- Split the 48~56V DC power over RJ-45 Ethernet cable into DC 12VDC output
- Remote power feeding up to 100 meters

Hardware

- Metal case with wall-mounting capability
- LED indicators for PoE and Power voltage output
- All-in-one compact size design

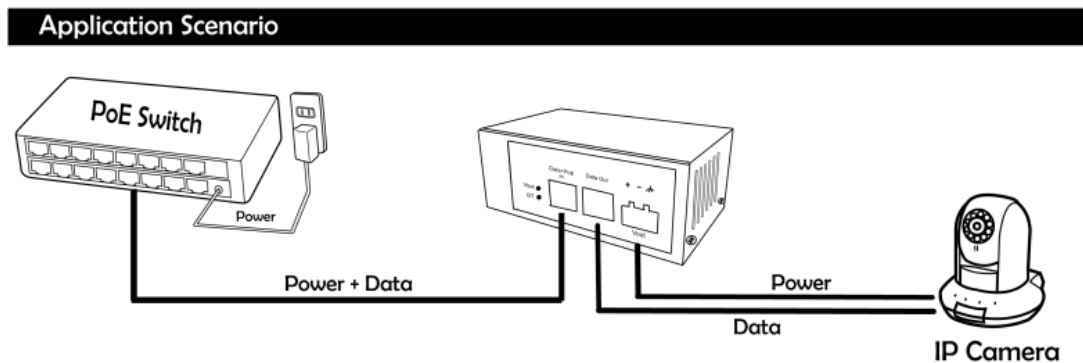
Standard Compliances

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3at High Power over Ethernet
- IEEE 802.3af Power over Ethernet
- FCC Part 15 Class A, CE

Hardware Specification	
Ethernet Interfaces	Input Port <ul style="list-style-type: none"> ■ 1 x RJ-45 STP ■ PoE (Data + Power) Input Output Port <ul style="list-style-type: none"> ■ 1 x RJ-45 STP ■ Data Out
LED Indicators	Vout: 12VDC output voltage is ON (Green) BT: PoE Power from BT source (Green)
Network Cable	802.3bt PoE (90W): PU100GA 10/100/1000Base-T: 4-Pair UTP Cat. 5e, 6 up to 100m (328ft) Midspan PoE (60W): PI300GA, PI300GH 10/100Base-T: 2-Pair UTP Cat. 3, 5, 5e, 6 up to 100m (328ft) 10/100/1000Base-T: 4-Pair UTP Cat. 5e, 6 up to 100m (328ft) 802.3at PoE (30W): PI100GA 10/100/1000Base-T: 2-Pair UTP Cat. 3, 5, 5e, 6 up to 100m (328ft)
Data Rate	10/100/1000Mbps Auto Sensing
Dimensions (WxDxH)	95 x 72 x 28 mm
Weight	280g
Power Requirements	CAT5e with PoE 48 ~ 56V DC
Max Output Power	60watts (12V/5A)
Operating Temperature	0 ~ 50 degrees C
Storage Temperature	-10 ~ 70 degrees C
Humidity	5 ~ 95% (Non-condensing)
Power over Ethernet	
PoE Standard	IEEE 802.3bt Power over Ethernet
PoE Power Input	End-Span or Mid-Span auto detection
Power Output	DC 12V / 5A (Max. 60W) for CAT5e 100m distance
Standards Conformance	

Standards Compliance	IEEE 802.3 10Base-T Ethernet IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet IEEE 802.3at High Power over Ethernet IEEE 802.3af Power over Ethernet High Power Midspan PoE
Regulation Compliance	FCC Part 15 Class A, CE

Application Scenario



Ordering Information

Part Number	Description
BS512G	10/100/1000M GbE, IEEE802.3bt, 12V 60W PoE splitter
BS519G	10/100/1000M GbE, IEEE802.3bt, 19V 60W PoE splitter
BS524G	10/100/1000M GbE, IEEE802.3bt, 24V 60W PoE splitter

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