



Industrial 10G PoE++ Splitter

TI-SG704 (V1)

- Power a non-PoE device up to 100m (328 ft.) away from PSE
- Splits a 10G 90W PoE++ signal into separate power and data sources
- Adjustable voltage output supports 12V, 16V, 24V, or 48V devices
- Extreme operating temperature range -40 to 75° C (-40 to 167° F)
- IEEE 802.3bt compliant
- For best performance pair with TRENDnet PoE++ switches or injectors
- NDAA / TAA compliant (U.S. and Canada only)

TRENDnet's Industrial 10G PoE++ Splitter, model TI-SG704, networks a non-PoE device by using a 10G PoE++ connection and splitting it into separate DC power and data sources. The industrial 10G PoE++ splitter can power up to two devices from a single PoE source. A convenient DIP switch on the industrial PoE++ splitter adjusts output power to 12V, 16V, 24V, or 48V to match varying power requirements for non-PoE devices. The industrial 10G PoE++ splitter's multiple power outputs provide greater device compatibility.



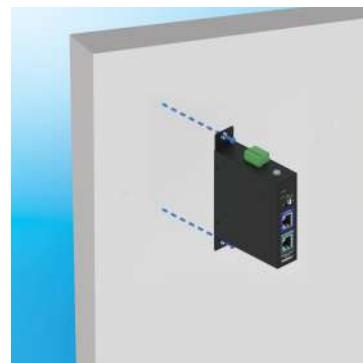
PoE++ Powered

No power adapter necessary; the PoE++ splitter takes a PoE++ network connection, and splits power and data into separate connections to network a non-PoE device with power up to 100m (328 ft.) away.



Adjustable Voltage Output

Convenient DIP switch adjusts voltage output to 12V (2.3A), 16V (2.3A), 24V (2.3A), or 48V (1.25A) to accommodate varying non-PoE device power requirements.



Flexible Mounting Options

The industrial 10G PoE++ splitter's wall and DIN-Rail mounting options provide better setup flexibility and accommodate most installation scenarios.

FEATURES



10G Ethernet

1 x 10G PoE++ in port, 1 x 10G out port



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Adjustable Voltage Output

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Dual DC Power Output

Terminal Block

The PoE++ splitter includes a dual DC power output terminal block, powering up to two devices



Industrial Design

Equipped with an IP50 rated metal enclosure, designed to withstand a high degree of vibration and shock, while operating within an extreme temperature range of -40° to 75° C (-40° to 167° F) for industrial environments



Wall Mountable

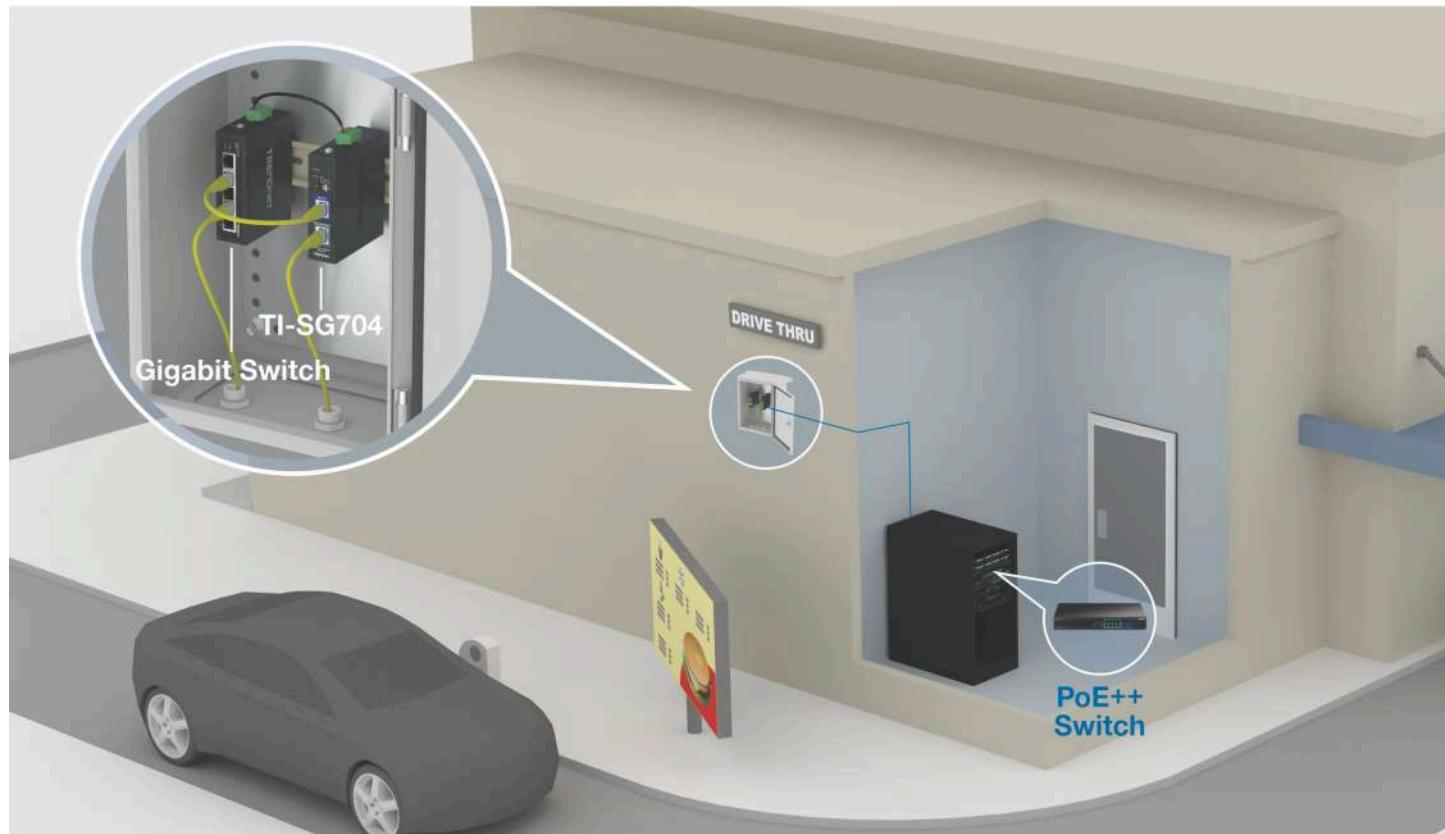
Wall mountable design of the industrial 10G splitter accommodates most installation scenarios



DIN-Rail Mountable

DIN-Rail mountable design of the industrial 10G PoE++ splitter fits a standard TS35 DIN-Rail

NETWORKING SOLUTION



SPECIFICATIONS

Standards

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

Device Interface

- 1 x 10G port (10Mbps/100Mbps/1000Mbps/2.5G/10G)
- 1 x 10G PoE++ in port (10Mbps/100Mbps/1000Mbps/2.5G/10G)
- 4-pin removable terminal block (dual DC output)
- Adjustable output power DIP switch (48V, 24V, 16V, 12V)
- LED indicator

Terminal Block

- Dual DC power outputs, 4 pin
- Wire range: 0.75mm² to 2.5mm²
- Solid wire (AWG): 12-18
- Stranded wire (AWG): 12-18
- Torque: 3 lb. – in / 0.2Nm / 0.56Nm
- Wire strip length: 6-7mm

Housing

- IP50 metal housing
- DIN-Rail mount
- Wall mount
- Grounding point
- 6kV ESD protection
- 6kV surge protection
- 6kV RJ45 protection

Power

- Input: 15.4W/30W/60W/90W PoE power
- Max. consumption: 1.13W (splitter only)
- Max. combined DC Output: 48V (1.25A), 24V (2.3A), 16V (2.3A), 12V (2.3A)

PoE Input	Max. DC Output (split between two devices)
90W	48V (1.25A) DC Output: 60W 24V (2.3A) DC Output: 55W 16V (2.3A) DC Output: 36.8W 12V (2.3A) DC Output: 27.6W
60W	48V (1.05A) DC Output: 50W 24V (2.04A) DC Output: 49W 16V (2.18A) DC Output: 35W 12V (2.16A) DC Output: 26W
30W	48V (0.52A) DC Output: 25W 24V (0.95A) DC Output: 23W 16V (1.37A) DC Output: 22W 12V (1.83A) DC Output: 22W
15.4W	48V (0.22A) DC Output: 10.6W 24V (0.44A) DC Output: 10.7W 16V (0.63A) DC Output: 10.2W 12V (0.85A) DC Output: 10.2W

DIP Switch*

DIP 1	DIP 2	Function
On	On	48V DC (default)
On	Off	24V DC
Off	On	16V DC
Off	Off	12V DC

*Disclaimer: DIP switches will set the same voltage for both DC outputs

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.

MTBF

- 812,314 hours @ 25° C

Operating Temperature

- -40° – 75° C (-40° – 167° F)

Operating Humidity

- Max. 95% non-condensing

Dimensions

- 99 x 90 x 28mm (3.9 x 3.54 x 1.1 in.)

Weight

- 432g (15.2 oz.)

Certifications

- CE
- FCC
- LVD
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-31)
- Vibration (IEC 60068-2-6)

Warranty

- 3 year

Package Contents

- TI-SG704
- Removable terminal block
- DIN-Rail and wall-mount kit