



Industrial Gigabit PoE++ Splitter

TI-SG104 (v2.xR)

- Power a non-PoE device up to 100m (328 ft.) away from PSE
- Splits a gigabit 90W PoE++ signal into separate power and data sources
- A single PoE++ source can power up to two devices
- 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 Gigabit PoE++ Splitter, model TI-SG104, networks a non-PoE device by using a Gigabit PoE++ connection and splitting it into separate power and gigabit data sources. The industrial gigabit PoE++ splitter can power up to two devices from a single PoE source. A convenient DIP switch on the PoE++ splitter adjusts output power to 12V, 16V, 24V, or 48V to match varying power requirements for non-PoE devices. The PoE++ splitter's dual DC power output provides greater device compatibility.



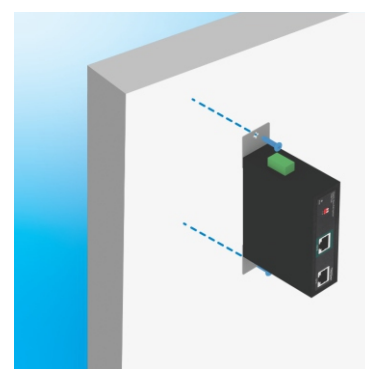
PoE++ Powered

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 (328ft.) away.



Adjustable Voltage Output

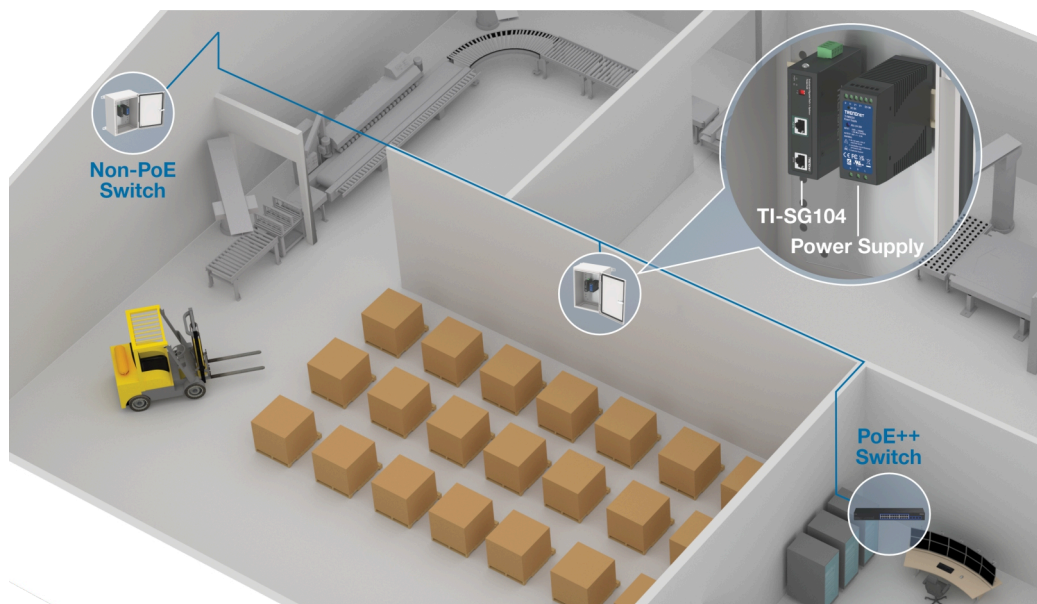
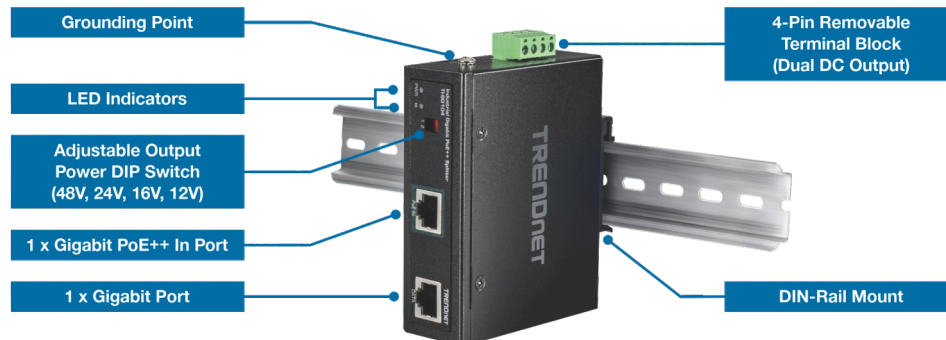
Convenient DIP switch adjusts voltage output to 12V (2.3A), 16V (2.3A), 24V (2.3A), or 48V (1.5A) to accommodate varying non-PoE device power requirements.



Flexible Mounting Options

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

NETWORKING SOLUTION



FEATURES



Gigabit Ethernet

1 x Gigabit PoE++ in port, 1 x Gigabit out port



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 (328ft.) away



Adjustable Voltage Output

Convenient DIP switch adjusts voltage output to 12V (2.3A), 16V (2.3A), 24V (2.3A), or 48V (1.5A) to match non-PoE device power requirements



Dual DC Power Output Terminal Block

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



Extreme Temperatures

An operating temperature range of 40° – 75° C (-40° – 167° F) allows for installations in industrial environments with extreme hot or cold conditions.



Wall Mountable

Wall mountable design accommodates most installation scenarios



DIN-Rail Mountable

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

SPECIFICATIONS

Standards

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

Device Interface

- 1 x Gigabit port
- 1 x Gigabit PoE++ in port
- 4-pin removable terminal block (dual DC output)
- Adjustable output power DIP switch (48V, 24V, 16V, 12V)
- LED indicator
- DIN-Rail mount
- Wall mount
- Grounding point

Data Transfer Rate

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

Special Features

- Hardened components rated for extreme temperatures
- Dual DC power output
- Auto-Negotiation
- ESD 6kV and Surge 2kV protection

Terminal Block

- Dual DC power outputs, 4 pin
- Wire range: 0.34mm² to 2.5mm²
- Solid wire (AWG): 12-24
- Stranded wire (AWG): 12-24
- Torque: 5 lb. – In / 0.5Nm / 0.56Nm
- Wire strip length: 7-8mm

Power

- Input: 15.4W/30W/60W/95W PoE power
- Max. Consumption: 7W (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	<ul style="list-style-type: none">• 48V(1.5A) DC Output: 72W• 24V(2.3A) DC Output: 55W• 16V(2.18A) DC Output: 35W• 12V(2.25A) DC Output: 27W
60W	<ul style="list-style-type: none">• 48V(1.16A) DC Output: 56W• 24V(2.12A) DC Output: 51W• 16V(2.18A) DC Output: 35W• 12V(2.16A) DC Output: 26W
30W	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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
Up	Up	48V DC (default)
Down	Up	24V DC
Up	Down	16V DC
Down	Down	12V DC

MTBF

- 684,452 hours

Housing

- IP30 metal housing
- DIN-Rail mount
- Wall mount
- Grounding point
- 6kV ESD protection
- 2kV surge protection

Operating Temperature

- -40° – 75° C (-40° – 167° F)

Operating Humidity

- Max. 95% non-condensing

Dimensions

- 104 x 82 x 32mm (4.1 x 3.2 x 1.2 in.)

Weight

- 150g (5.2 oz.)

Certifications

- CE
- FCC
- Shock (IEC 60068-2-27)
- Freefall (IEC 60068-2-32)
- Vibration (IEC 60068-2-6)

Warranty

- 3 year

Package Contents

- TI-SG104
- Quick Installation Guide
- Removable terminal block
- DIN-Rail and wall mount kit

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.