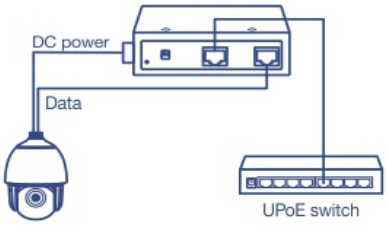
Industrial Gigabit UPoE Splitter

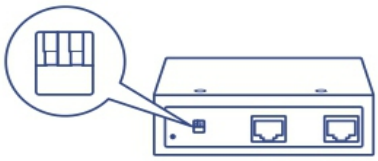
TI-SG104 (v1.0R)

- Power a non-PoE device up to 100m (328 ft.) away from PSE
- Splits a gigabit PoE signal into separate power and data sources
- A single Ultra PoE source can power up to two devices
- Adjustable voltage output supports 12V, 16V, 24V or 48V devices
- For best performance pair with UPoE switches or injectors
- Save on installation and equipment cost
- Full Duplex Gigabit speeds
- IEEE 802.3bt compatible

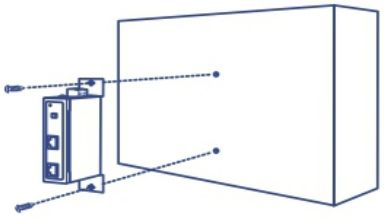
TRENDnet's Industrial Gigabit UPoE Splitter, model TI-SG104, networks a non-PoE device by using a Gigabit Ultra PoE connection and splitting it into separate power and gigabit data sources. The industrial gigabit UPoE splitter can power to up to two devices from a single UPoE source. A convenient DIP switch adjusts output power to 12V, 16V, 24V, or 48V in order to match power requirements for non-PoE devices. The UPoE splitter's dual DC power output provides greater device compatibility.



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

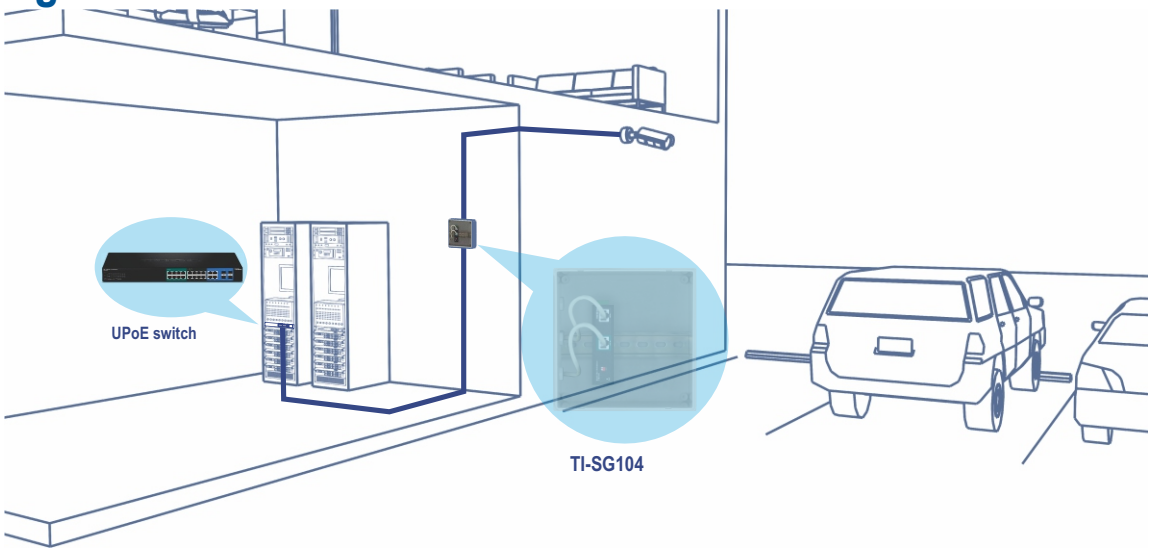


Adjustable Voltage Output
Convenient DIP switch adjusts voltage output to 12V (2.3A), 16V (2.3A), 24V (2.3A) or 48V (1.25A) to match non-PoE device power requirements.



Wall Mountable
The UPoE splitter's wall mountable design accommodates most installation scenarios.

Networking Solution



Gigabit Ethernet
1 x Gigabit UPoE input port, 1 x Gigabit output port

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

Adjustable Voltage Output
Convenient DIP switch adjusts voltage output to 12V (2.3A), 16V (2.3A), 24V (2.3A) or 48V (1.25A) to match non-PoE device power requirements

Dual DC Power Output Terminal Block
The UPoE splitter includes a dual DC power output terminal block, powering for up to two devices

Wall Mountable
Wall mountable design accommodates most installation scenarios

Specifications

Standards	• IEEE 802.3 • IEEE 802.3u • IEEE 802.3ab • IEEE 802.3af • IEEE 802.3at • IEEE 802.3bt compatible
Device Interface	• 1 x Gigabit port • 1 x Gigabit Ultra 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 4kV and Surge 2kV protection
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)
95W	• 48V(1.25A) DC Output: 60W • 24V(2.3A) DC Output: 55W • 16V(2.18A) DC Output: 35W • 12V(2.25A) DC Output: 27W
60W	• 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	• 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

Terminal Block	• Dual DC power outputs, 4 pin • Wire range: 0.34mm^2 to 2.5mm^2 • Solid wire (AWG): 12-24/14-22 • Stranded wire (AWG): 12-24/14-22 • Torque: 5 lb. – In / 0.5Nm / 0.56Nm • Wire strip length: 7-8mm
DIP Switch	

DIP 1	DIP 2	Function
OFF	OFF	48V output
ON	OFF	24V output
OFF	ON	16V output
ON	ON	12V output

MTBF	• 684,452 hours
Housing	• IP30 metal case • DIN-rail mount • Wall mount • Grounding point • 4KV 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	• 172g (6 oz.)
Certifications	• CE • FCC • IEC EN60950-1 • 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.

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