TRENDnet®

Quick Installation Guide

TPE-111GI
TPE-112GS

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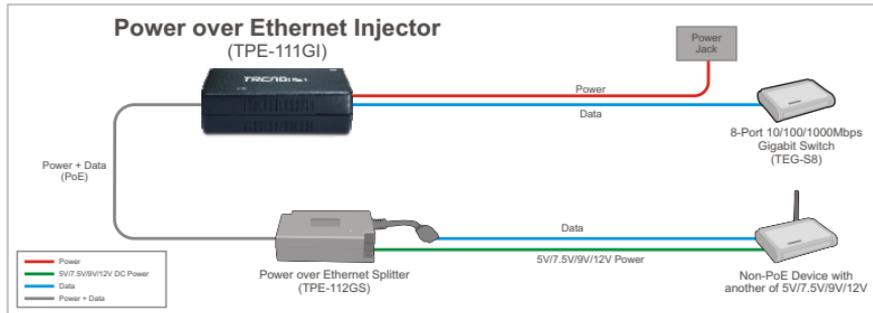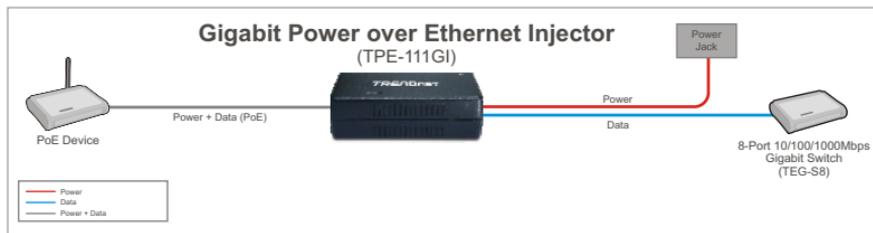
1. Before You Start

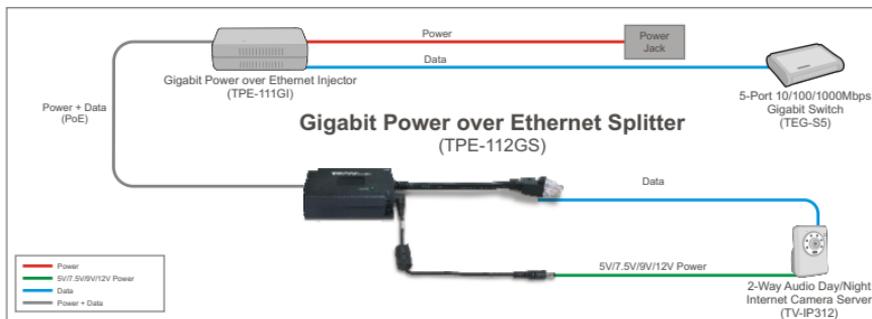| Package Contents |
| --- |
| • TPE-111GI/TPE-112GS |
| • Power Cord (TPE-111GI) |
| • 2 x Jumper Cables (TPE-112GS) |

<u>Note:</u> The TPE-111GI and TPE-112GS only support Power over Ethernet (PoE) devices that follow the IEEE 802.3af standard

<u>Note:</u> The TPE-112GS only supports non-PoE devices with an output power of 5V, 7.5V, 9V or 12V.

TPE-111GI Application

Gigabit Power over Ethernet Injector
(TPE-111GI)

Power Jack

PoE Device

Power + Data (PoE)

Power

Data

8-Port 10/100/1000Mbps
Gigabit Switch
(TEG-S8)

— Power
— Data
— Power + Data

Power over Ethernet Injector
(TPE-111GI)

Power Jack

Power

Data

8-Port 10/100/1000Mbps
Gigabit Switch
(TEG-S8)

Power + Data
(PoE)

Data

Power over Ethernet Splitter
(TPE-112GS)

5V/7.5V/9V/12V Power

Non-PoE Device with
another of 5V/7.5V/9V/12V

— Power
— 5V/7.5V/9V/12V DC Power
— Data
— Power + Data

TPE-112GS Application

Gigabit Power over Ethernet Splitter
(TPE-112GS)

8-Port Gigabit Web Smart
PoE Switch
(TPE-80WS)

Power + Data (PoE)

Data

5V/7.5V/9V/12V Power

2-Way Audio Day/Night
Internet Camera Server
(TV-IP312)

5V/7.5V/9V/12V Power
Data
Power + Data

Power

Data

Power
Jack

Gigabit Power over Ethernet Injector
(TPE-111GI)

5-Port 10/100/1000Mbps
Gigabit Switch
(TEG-S5)

Power + Data
(PoE)

Gigabit Power over Ethernet Splitter
(TPE-112GS)

Data

5V/7.5V/9V/12V Power

2-Way Audio Day/Night
Internet Camera Server
(TV-IP312)

Power
5V/7.5V/9V/12V Power
Data
Power + Data

2. Product Detail

Front Panel

Power
Lights green when the power cord is connected into an outlet and the PoE device is connected to the Injector.

POWER
Lights green when a PoE device is connected to the splitter.

Using the TPE-111GI with a PoE device

1. Connect the **Power Cord** to the **AC Power Adapter.** Then connect the Power Cord to an outlet.

2. Connect a CAT-5/5e cable from a switch (e.g.TEG-S8) to the TPE-111GI's **Data In** port.

3. Connect a CAT-5/5e cable from a PoE device (e.g. TEW-434APB) to the TPE-111GI's **PoE Out** port

Using the TPE-112GS with a non-PoE device

Note: Take note of the output power for your non-PoE device. The TPE-112GS only supports non-PoE devices with an output power of 5V, 7.5V, 9V or 12V.

1. Select the proper voltage (5V, 7.5V, 9V or 12V)**.**

2. Connect an Ethernet cable from a PoE switch to the **PoE In** port on the TPE-112GS.

3. Connect the built-in Ethernet cable on the TPE-112GS to the non-PoE device's LAN port (e.g. TEW-633GR).

4. Connect the provided Jumper cable to a non-PoE device (e.g. TEW-633GR) and to the TPE-112GS.

Your installation is now complete.

Register Your Product
To ensure the highest level of customer service and support, please take a moment to register your product Online at: **www.trendnet.com/register**
Thank you for choosing TRENDnet

Applicable Standards		IEEE 802.3 10BASE-T IEEE 802.3u 100BASE-TX IEEE 802.3ab 1000BASE-T IEEE 802.3af Power Over Ethernet (PoE)
Ethernet Pin Usage		Data: 1, 2, 3, 6 Power: 4, 5 (V+), 7, 8 (V-)
Fixed Ports	TPE-111GI	1 Data In, 1 PoE Out
	TPE-112GS	1 PoE In, 1 Data Out
Speed		10/20Mbps for half/full-duplex 100/200Mbps for half/full-duplex 2000Mbps for full-duplex
LED Indicators		POWER
DIP Switches	TPE-112GS	DC OUT (5V, 7.5V, 9V, 12V)
Ethernet Cable		10BASE-T : UTP/STP Cat. 3, 4, 5 100BASE-TX : UTP/STP Cat. 5, 5e, 6 1000BASE-T : UTP/STP Cat. 5e, 6
Jumper Cables (Dimensions)		1 x 5.5 x 2.0mm 1 x 5.5 x 2.5mm
Dimensions	TPE-111GI	115 x 57 x 35mm (4.5 x 2.2 x 1.4 in.)
	TPE-112GS	80 x 55 x 26mm (3.2 x 2.17 x 1.03 in.)
Weight	TPE-111GI	325g (11.6oz.)
	TPE-112GS	120g (4.23oz.)
Power	TPE-111GI	48V DC, 0.3A
	TPE-112GS	DC Output 5V, 7.5V, 9V, or 12V
Power Consumption	TPE-111GI	19 Watts (max)
	TPE-112GS	12 Watts (max)
Operating Temperature		0°C ~ 45°C (32°F ~ 104°F)
Storage Temperature		-40°C ~ 70°C (14°F ~ 158°F)
Humidity		10 ~ 90%, non-condensing
Certificates		FCC, CE

Q1: Why is the POWER LED off on the TPE-111GI?
   A1: First, make sure the TPE-111GI is connected into a power outlet. Second, make sure that the PoE device is connected properly to the TPE-111GI. Third, try using another CAT-5/5e cable.

Q2: Why is the POWER LED off on the TPE-112GS?
   A2: First, make sure that the TPE-112GS is connected properly to the PoE switch or TPE-111GI (See 3.Hardware Installation). Second, try using another CAT-5/5e cable.

Q3: Will the TPE-111GI work with any PoE device?
   A3: Any PoE device that follows the IEEE 802.3af standard will work with TPE-111GI.

Q4: Will the TPE-112GS work with any non-PoE device?
   A4: Non-PoE devices such as access points will work with the TPE-112GS only if the non-PoE device operates at 5V, 7.5V, 9V or 12V.

Q5: I connected my non-PoE device into the TPE-112GS, but my switch does not recognize the device.
   A5: Power cycle the non-PoE device by either pulling out the power adapter connector from the PoE injector or disconnecting the Ethernet cable from the PoE Out port. Reinsert the connection after 5-10 seconds have elapsed.

Q6: My device is powered after I connect to the TPE-111GI /TPE-112GS, but I am not getting Gigabit speeds. What should I do?
   A6: Make sure to use a Cat-5/5e or Cat 6 Ethernet cable. Some CAT-5/5e cables are not rated to run in Gigabit.

If you still encounter problems or have any questions regarding the Fiber converters, please contact TRENDnet's Technical Support Department.

Limited Warranty

TRENDnet warrants its products against defects in material and workmanship, under normal use and service, for the following lengths of time from the date of purchase.

TPE-111GI/TPE-112GS - 5 Year Warranty

If a product does not operate as warranted above during the applicable warranty period, TRENDnet shall, at its option and expense, repair the defective product or deliver to customer an equivalent product to replace the defective item. All products that are replaced will become the property of TRENDnet. Replacement products may be new or reconditioned.

TRENDnet shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to TRENDnet pursuant to any warranty.

There are no user serviceable parts inside the product. Do not remove or attempt to service the product through any unauthorized service center. This warranty is voided if (i) the product has been modified or repaired by any unauthorized service center, (ii) the product was subject to accident, abuse, or improper use (iii) the product was subject to conditions more severe than those specified in the manual.

Warranty service may be obtained by contacting TRENDnet office within the applicable warranty period for a Return Material Authorization (RMA) number, accompanied by a copy of the dated proof of the purchase. Products returned to TRENDnet must be pre-authorized by TRENDnet with RMA number marked on the outside of the package, and sent prepaid, insured and packaged appropriately for safe shipment.

WARRANTIES EXCLUSIVE: IF THE TRENDNET PRODUCT DOES NOT OPERATE AS WARRANTED ABOVE, THE CUSTOMER'S SOLE REMEDY SHALL BE, AT TRENDNET'S OPTION, REPAIR OR REPLACEMENT. THE FOREGOING WARRANTIES AND REMEDIES ARE EXCLUSIVE AND ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, EITHER IN FACT OR BY OPERATION OF LAW, STATUTORY OR OTHERWISE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. TRENDNET NEITHER ASSUMES NOR AUTHORIZES ANY OTHER PERSON TO ASSUME FOR IT ANY OTHER LIABILITY IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE OR USE OF TRENDNET'S PRODUCTS.

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LIMITATION OF LIABILITY: TO THE FULL EXTENT ALLOWED BY LAW TRENDNET ALSO EXCLUDES FOR ITSELF AND ITS SUPPLIERS ANY LIABILITY, WHETHER BASED IN CONTRACT OR TORT (INCLUDING NEGLIGENCE), FOR INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, OR PUNITIVE DAMAGES OF ANY KIND, OR FOR LOSS OF REVENUE OR PROFITS, LOSS OF BUSINESS, LOSS OF INFORMATION OR DATE, OR OTHER FINANCIAL LOSS ARISING OUT OF OR IN CONNECTION WITH THE SALE, INSTALLATION, MAINTENANCE, USE, PERFORMANCE, FAILURE, OR INTERRUPTION OF THE POSSIBILITY OF SUCH DAMAGES, AND LIMITS ITS LIABILITY TO REPAIR, REPLACEMENT, OR REFUND OF THE PURCHASE PRICE PAID, AT TRENDNET'S OPTION. THIS DISCLAIMER OF LIABILITY FOR DAMAGES WILL NOT BE AFFECTED IF ANY REMEDY PROVIDED HEREIN SHALL FAIL OF ITS ESSENTIAL PURPOSE.

Governing Law: This Limited Warranty shall be governed by the laws of the state of California.

Note: AC/DC Power Adapter, Cooling Fan, Cables and Power Supply carry a 1-Year Warranty

Certifications

This equipment has been tested and found to comply with FCC and CE Rules.

Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received. Including interference that may cause undesired operation.

TRENDnet

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Product Warranty Registration

Please take a moment to register your product online.
Go to TRENDnet's website at http://www.trendnet.com/register

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