StarTech AS445C 4 Port Multi Gigabit PoE+/PoE++ Injector Extensores Ethernet User Guide

Contents

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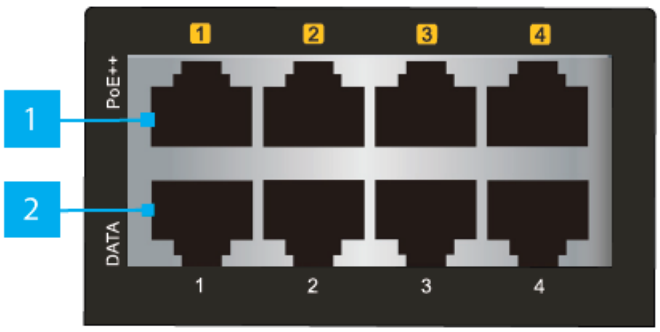
StarTech AS445C 4 Port Multi Gigabit PoE+/PoE++ Injector Extensores Ethernet

4-Port 802.3bt 90W 5Gbps PoE Injector

Product Diagram

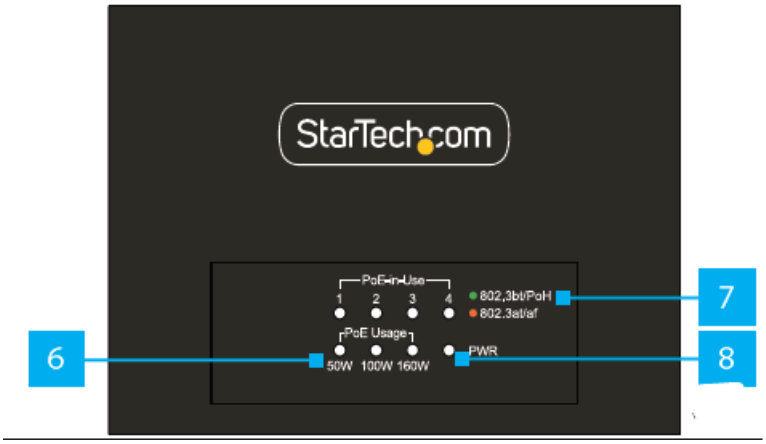
AS445C-POE-INJECTOR

- **Front View**



- **Back View**

- **Top View**



*Product may vary from image

	Port/LED/ Connector	Function
1	PoE++ Ports x 4 (Data + Power)	• Connect a **Network Cable** to a **PD** (Powered Device) ***Note:*** *160W shared power allocation across all PoE ports.* • Supports 5 Gbps, 2.5 Gbps, 1 Gbps, 100 Mbps, and 10 Mbps
2	Data Ports x 4 (Data I nput)	• Connect a **Network Cable** to a **Network Device** • Supports 5 Gbps, 2.5 Gbps, 1 Gbps, 100 Mbps, and 10 Mbps
3	DC Power Port	• Connect to a **Power Source** using the included **Power Adapter** • Recommended 54 V and 3.3 A. Type M barrel plug, Ø 5.5×2.1×9.5mm
4	Grounding Point	• Attach a **Grounding Wire** to the **PoE Injector** and to an **Earth Ground Connection** ***Note:*** *A Grounding Wire is typically green or green with a yellow stripe and should be at least 18 AWG.*

5	PoE Operation Mode Switch	• Three positions are available:
		  ◦ **802.3bt (default)**. Operates as a 90W
		  ◦ 802.3bt PoE++ type 4 **PSE** (Power Source Equipment)
		• **PoH + Legacy**. Operates as a 95W **PoH** (Power over HD- BASE-T) PSE with Legacy function
		• **Force**. Operates as a non-negotiating 4-pair 60W PoE PSE. Useful for PoE d evices that lack a proper handshake.
		• ***Warning!*** *Force Mode is intended for PoE PDs only.*

6	PoE Usage LEDs	• **Steady Amber**. Indicates that the system is consuming over the indicated Po E power budget • **Blinking Amber**. Indicates that the system is consuming under the indicated PoE power budget
7	PoE-in-Use LEDs	• **Steady Green**. Indicates that the port is providing 802.3bt PoE++/PoH/Force power to the remote powered device • **Steady Amber**. Indicates that the port is providing 802.3af/ at PoE/PoE+ pow er to the remote powered device • **Off**. Indicates that no power is being provided to the remote device
8	Power LED	**Steady Green**. Indicates that power is being supplied to the PoE Injector

Package Contents

- 4-Port PoE Injector x1
- DIN Rail Mounting Kit x 1
- Universal Power Adapter x 1
- Quick-Start Guide x 1

Requirements
For the latest manuals, product information, technical specifications, and declarations of conformance, please visit: **www.startech.com/AS445C-POE-INJECTOR**

- Phillips head screwdriver

Installation

Warnings!

- Force Mode: Prior to connecting the PSE to a PD, ensure the PD supports 60W PoE through pin 1/2 (–), 3/6 (+), pin 4/5 (+), and 7/8 (–). Otherwise, the PD may be damaged as power is injected without handshaking.
- Prior to powering on the PSE, ensure that a Grounding Wire is connected to the PSE. A Grounding Wire

should typically be green or green with a yellow stripe and should be at least 18 AWG.

- Prior to connecting the PSE to a PD ensure that the PD supports the corresponding PoE setting on the PoE Operation Mode Switch to prevent potential damage.
- Power OFF the PoE Injector before adjusting the PoE Operation Mode Switch, and then power it back ON.
- The legacy detection feature identifies the PDs that do not fully follow the
- IEEE 802.3af/at/bt standards and their unique electrical handshakes. This allows the PoE Injector to provide power to those PDs.

Quick-Start Guide

1. Connect an Ethernet Cable from the Source Network Device (i.e., router, modem, or non-PoE switch) to the Data Port(s) on the PoE Injector.
2. Connect an Ethernet cable to the Corresponding PoE++ Port(s) on the PoE Injector.
3. Connect the other end of the Ethernet Cable used in Step 2 to either a Powered Device (PD), or to a PoE Splitter to separate Data and Power.
4. Plug the included Power Adapter to an AC Outlet and connect it into the DC Power Port. Ensure the Power LED is illuminated.

DIN Rail Installation

1. Insert a Mounting Screw through the Mounting Plate and into the PoE Injector. Using a Phillips Head Screwdriver, tighten the Mounting Screw just enough to catch the thread. (Figure 1)
2. Re-align the Mounting Plate with the Mounting Holes and insert the second Mounting Screw. Alternate between gently driving each Mounting Screw until both are tight.
3. Select the desired PoE Operation Mode before mounting onto the DIN Rail.
4. Mount the PoE Injector by inserting the Mounting Plate at an angle starting from the Top then Push against the DIN Rail. (Figure 2)

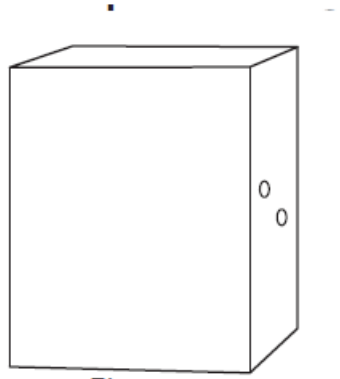


Figure 1

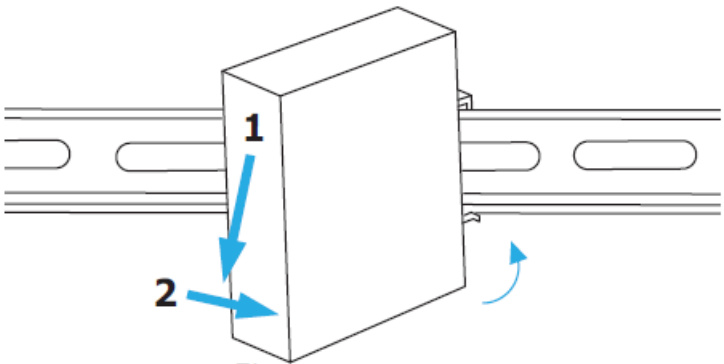


Figure 2

Warranty Information

- This product is backed by a two-year warranty.
- For further information on product warranty terms and conditions, please refer to www.startech.com/warranty. Limitation of Liability
- In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors,

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FCC – Part 15

- This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used
  in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

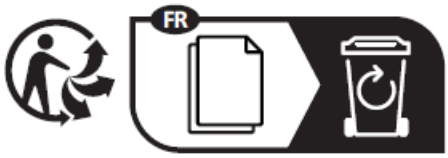
Changes or modifications not expressly approved by **StarTech.com** could void the user's authority to operate the equipment.

Industry Canada Statement

This Class A digital apparatus complies with Canadian ICES-003. This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the

device.



To view manuals, FAQs, videos, drivers, downloads, technical drawings, and more, visit www.startech.com/support

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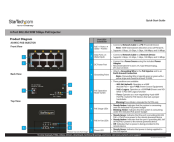
Documents / Resources

	StarTech AS445C 4 Port Multi Gigabit PoE+/PoE++ Injector Extensores Ethernet [pdf] User Guide AS445C 4 Port Multi Gigabit PoE PoE Injector Extensores Ethernet, AS445C, 4 Port Multi Gigabit PoE PoE Injector Extensores Ethernet, Multi Gigabit PoE PoE Injector Extensores Ethernet, Gigabit PoE PoE Injector Extensores Ethernet, PoE PoE Injector Extensores Ethernet, PoE Injector Extensores Ethernet, Injector Extensores Ethernet, Extensores Ethernet, Ethernet

References

- User Manual