

ALL048900v2 LT PoE++ Injector



ALL048900 v2 1-port Gigabit LT PoE++ Injector

Quick Installation Guide



Introduction

The ALL048900v2 Gigabit LT PoE++ Injector equips with 1 Ethernet Input (data only) port, 1 DC Jack (Power In) and 1 Output (data + power) port. This product can transmit data and up to 90W power by LTPoE++ technology through the Ethernet Cable. It also backward compatible with IEEE 802.3af/at PoE+ standard and features PoE awareness to verify whether the connected network device is LTPoE++/802.3at aware or not, otherwise, only the data will be sent through LAN cable.

V2 Smart Changes:

IEEE compliant:

- 802.3af to 1236 (25k Signature)
- 802.3af to 4578 (25k Signature)
- 802.3at to 1236 (25k Signature)
- 802.3at to 4578 (25k Signature)
- 802.3af to 12345678 (25k Signature)
- 802.3at to 12345678 (25k Signature)

LTPoE:

- LTPoE++ (45W till 120W Source) to 12345678 (25k Signature)
- LTPoE++ (60W) to 1236 (25k Signature)
- LTPoE++ (60W) to 4578 (25k Signature)
- 2x LTPoE++ (2x45W) to 12345678 (2x 25k Signature -> max 90W)
- LTPoE++ to 12345678 (12k Signature)

IEEE-non compliant:

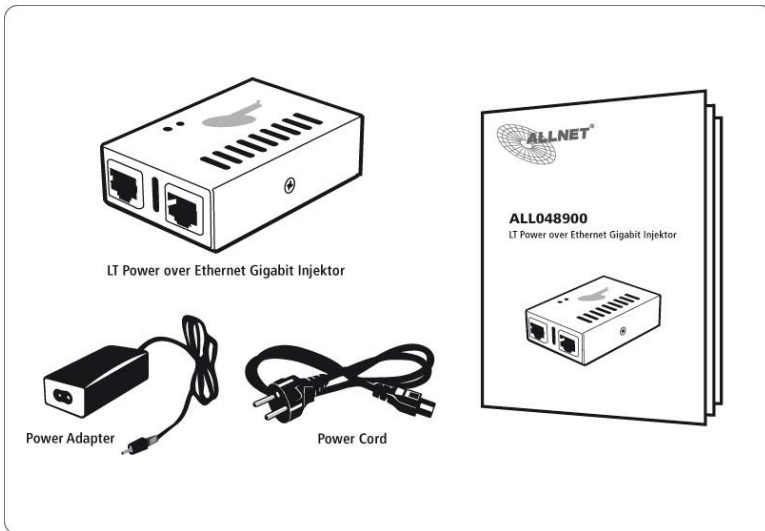
- 2x 802.3at to 1236+4578 (2x 25k Signature -> 2x30W)
- 802.3at to 12345678 (12k Signature -> 60W)
- 802.3at to 1236 (12k Signature -> 30W)
- 802.3at to 4578 (12k Signature -> 30W)
- 2x 802.3af to 1236+4578 (2x 25k Signature -> 2x15W)
- 802.3af to 12345678 (12k Signature -> 30W)
- 802.3af to 1236 (12k Signature -> 15W)
- 802.3af to 4578 (12k Signature -> 15W)

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Package Contents

Before you start to install this Gigabit LT PoE++ Injector, please verify your package that contains the following items:

- One ALL048900v2 Gigabit LT PoE++ Injector
- One Power Adapter with One Power Cord
- One Quick Installation Guide



Key Features

- 1 Ethernet Input Port (Data Only) + 1 Ethernet Output Port (Data + Power)
- Compliant with LTPoE++
- Output Power up to 90W
- Smart Plug and Play
- Supports LT PoE++ 70W, 52.7W, 38.7W PDs
- Polarity (front view, ALLNET logo above): Left Side = + / Right Side = GND

Front Panel (LEDs)

LED Indicators of the ALL048900v2 Gigabit LT PoE++ Injector

LED	Status	Description
Power	On	PoE Power is on.
	Off	PoE Power is off.
PD	On	PD Link on
	Off	No Link

Connections

Use Cat. 5/5e twisted-pair cable (or above cable) from the existing switch to the “Data” input port of this Gigabit LT PoE++ Injector and then connect the “Data + Power” output port to the Power Device, such as Wireless AP, another switches with PD function... etc.

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Technical Specifications

Standards	LT PoE++, IEEE 802.3af/3at IEEE 802.3 10BaseT IEEE 802.3u 100BaseTX IEEE 802.3ab 1000BaseT
Features	1 x Input (data only) Port 1x Output (data + power) Port
LED Indicators	Power / PoE Act/Status
Power Input	44~57V
Power Output	LT PoE++, 802.3at/af, some non compliant
Power Consumption	System: 5W (Max.) LT PoE+: up to 90W
Attached Power Adapter	Input: 100~240VAC Output: 56VDC/1.25A, 70W (Max.)
Dimensions	102 × 75 × 23 mm (D x W x H)
Weight	0.28 kg
Operating Temperature	0 to 40°C
Storage Temperature	-20 to 90°C
Humidity	10 to 90% RH (non-condensing)
Certifications	FCC Class A, CE

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CE-Declaration of Conformity

For the following equipment:

Germering, 097th of May, 2014

LT PoE++ Injector

ALL048900v2



The safety advice in the documentation accompanying the products shall be obeyed. The conformity to the above directive is indicated by the CE sign on the device.

The Allnet ALL048900 conforms to the Council Directives of 2004/108/EC.

This equipment meets the following conformance standards:

EN55022:2010:ClassA

IEC61000-3-2:2005+A1:2008+A2:2009

IEC61000-3-3:2008

EN55024:2010

IEC61000-4-2:2008

IEC61000-4-3:2006+A1:2007+A22010

IEC61000-4-4:2004+A1:2010

IEC61000-4-5:2005

IEC61000-4-6:2008

IEC61000-4-8:2009

IEC61000-4-11:2004

IS IN COMPLIANCE WITH THE EUROPEAN COUNCIL DIRECTIVE 2004/108/EC
WITHIN CE MARKING REQUIREMENT.

This equipment is intended to be operated in all countries.

This declaration is made by
ALLNET Computersysteme GmbH
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Germany

Germering, 17.06.2013


Wolfgang Marcus Bauer
CEO