



PoE Converter

User Manual

Features

- IEEE 802.3af Standard compliant
- FCC and CE certifications
- Metal enclosure
- Cost-efficient
- Easy to install and manage
- Wide input voltage range
- Optional output voltage 5V/12V
- Over Voltage, Under Voltage and Thermal Cutoff protection
- High-efficiency DC/DC converter

Electrical Parameters

Standards: IEEE 802.3af

Power Classification: Class 1 (0.44W – 3.84W)

Input Supply Voltage: 36V – 57V

Output Voltage: 5V (700mA) / 12V (300mA)

Output Power: ≤3.5W

Efficiency: ≥80%

Operating Temperature: -4° to 176° F (-20° to +80° C)

Relative Humidity: 10% - 80% (noncondensing)

Dimensions: 98mm (L) x 25mm (W) x 25mm (H)

POE Summary

Under the existing Ethernet wiring structure, in addition to ensuring connection with the end device on Ethernet (such as IP telephone, wireless LAN access point etc.) to transmit a data signal, POE (Power Over Ethernet) can also supply DC power for these devices by integrating power and data into the same wiring system. Category 5 or Cat 5E cables are used to transmit data signals and supply DC power for these devices.

Port Connection Description

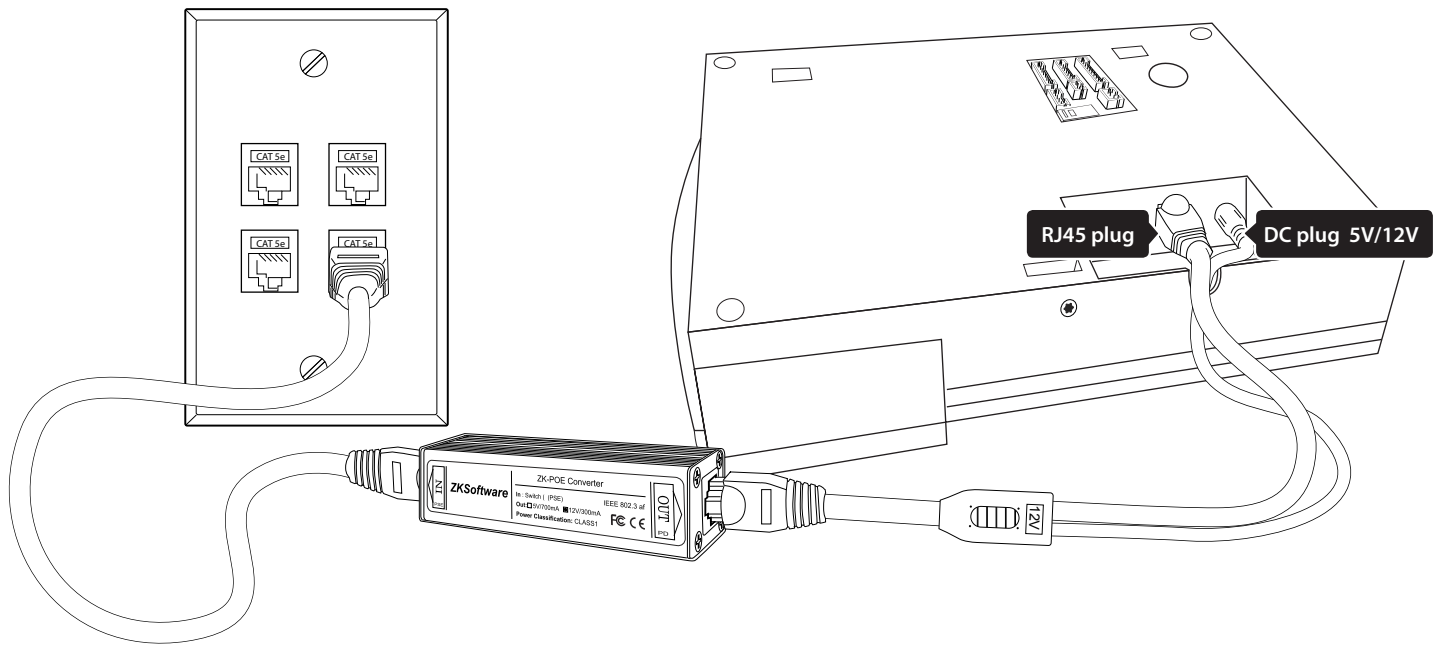
Notice: Socket nick is downward. Counting from left to right, there are 8 pins (1—8).

Input-end Definition		
Pin	Name	Description
1	TX+	Data signal and DC input
2	TX-	
3	RX+	
4	SP+	Spare DC input
5	SP+	
6	RX-	Data signal and DC input
7	SP-	Spare DC input
8	SP-	

Output-end Definition		
Pin	Name	Description
1	TX+	Data signal
2	TX-	
3	RX+	
4	NC+	Not connected
5	V+	DC Negative output
6	RX-	Data signal
7	NC	Not connected
8	V+	DC Positive output

Typical Application

Connect the input-end of the PoE Converter to the PoE power supply (PSE, support EndPoint and MidSpan). Connect the output-end to the DC power input-end 5V (or 12V) and RJ45 Ethernet interface through the special connecting wire. There is no need to configure a special power adapter for the device, which functions normally with the power supplied by the PoE system, a setup that saves cost and is easy to wire and install, as shown in the Figure below.



Notice

Output-end short circuit or overload of the PoE Converter may bring unrecoverable damage to the Converter.



Design and Specifications subject to change without notice

© Copyright 2018. ZKTeco Inc. ZKTeco Logo is a registered trademark of ZKTeco or a related company. All other product and company names mentioned are used for identification purposes only and may be the trademarks of their respective owners. All specifications are subject to change without notice. All rights reserved.

ZKTeco

201 Circle Drive North, Suite 116, Piscataway, NJ 08854, USA

+1 732-412-6007 ext: 215 +1 732-412-6008

workday@zktechnology.com | workdayclocks.com