

Product Specification

Power over Ethernet Adapter

POE-100/POE-100S

This document contains confidential proprietary information and is property of PLANET. The contents of this document should not be disclosed to unauthorized persons without the written consent of PLANET.

Change History:

Revision	Date	Author	Change List
Version 1.0	2003-01-03	Vincent Tseng	Initial release

Author	Vincent Tseng	Editor:	Vincent Tseng
Reviewed by:	Alan Huang	Approved by:	Tom Shih

1. PRODUCT DESCRIPTION

PLANET's PoE products include two models: Injector (POE-100) and Splitter (POE-100S). Injector inserts current into the unused wires in a standard network cable (pin: 4, 5, 7, 8). So the cable between Injector and Splitter can transfer power and network signals simultaneously. Splitter can generate three different output voltages, which expands its usage. Base on the limitation of cable, the maximum distance between Injector and Splitter can reach 100 meters.

2. PRODUCT FEATURES

- I Provides low-voltage DC power over existing Category 5 cabling to a device with an Ethernet port
- I Distance up to 100 meters
- I Protects devices from possible damages due to power-surges
- I Three different output voltage options (5V/2A, 7.5V/1.5A, 12V/1A) to fit various devices
- I Work with EIA568, category 5, 4-pair cables for 10Base-T or 100Base-TX.

3. PRODUCT SPECIFICATION

3.1 MAIN COMPONENT

POE-100S

DC to DC voltage regulator: MC34063

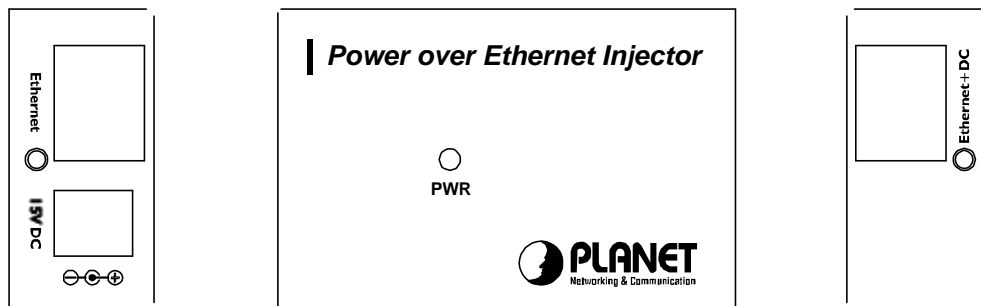
3.2 TECHNICAL SPECIFICATIONS

Category 5 pin power usage	-: Pin 4, 5 +:Pin 7, 8
Output voltage, current	DC 5V, 2A DC 7.5V, 1.5A DC 12V, 1A
Ethernet connector	RJ-45
Ethernet data rate	10/100Mbps
Number of Ethernet devices can be powered	1
Ethernet data cable	TIA/EIA-568, Category 5 cable

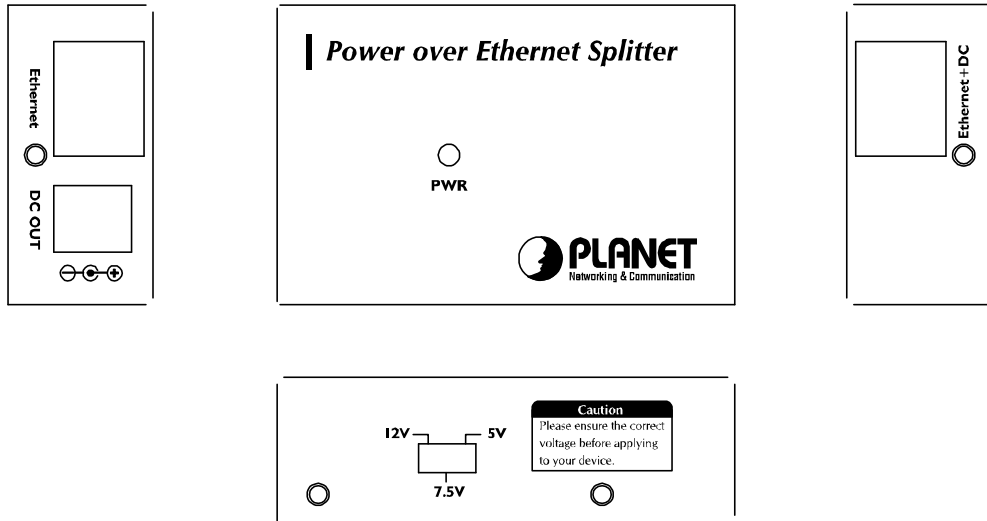
3.3 PHYSICAL SPECIFICATION

Dimensions(L x W x H): 64.5mm x 42.3mm x 20.4mm

POE-100



POE-100S



3.4 ENVIRONMENTAL SPECIFICATION

Operating

Temperature: 0~50°C
Relative Humidity: 5~95%(non-condensing)

Storage

Temperature: -25~50°C
Relative Humidity: 5~95%(non-condensing)

3.5 ELECTRICAL SPECIFICATION

Input Voltage: DC 15V/1A, linear type (POE-100)

3.6 REGULATORY COMPLIANCE

FCC
CE

3.7 BASIC PACKAGING

POE-100

- One Power over Ethernet Injector
- One Power Adapter
- One User's Manual

POE-100S

- One Power over Ethernet Splitter
- One 15cm Network Cable
- Three DC Plug Cable
- One User's Manual