



Gigabit PoE Splitter PS103G

802.3at/af PoE Input, 5/9/12VDC and Giga LAN Output



Overview

The Gigabit Power over Ethernet Splitter PS103G splits a networked PoE signal into separate power and Gigabit data sources. This device allows administrators to run Gigabit speed PoE cables over long distances and then split the PoE signal into separated data and power sources in order to network non-PoE devices.

Save installation and equipment cost when installing Thin Client PC, POS terminal, Touch Panel PC, Digital Signage Kiosk, LTE, WiMAX, Wireless AP, IP cameras and more in varied locations hard to find electrical outlets. No need to install network devices near a power outlet. This compact device safeguards valuable network equipment with short circuit protection and quickly creates an integrated PoE and non PoE network at Gigabit speeds.

Key Features

- Working temperature of 0 ~ 50 degree C
- Network devices at Gigabit speeds all within a compact device
- Automatically detects PoE terminals and supplies inline power
- Auto-sensing power drawn from 802.3at/af or midspan high power PSE devices
- Easily install non-PoE devices where a power outlet is not available
- Safeguards network device with short circuit protection
- Adjustable output DIP switch for 5V, 9V and 12V adjustable DC output
- Converts Non-PoE devices with Power Over Ethernet Support
- Auto-sensing power drawn from 802.3at/af or midspan high power PSE devices
- Supplies power current up to 2A with isolation circuitry
- Light weight and compact size with wall mounting capability

Interface

- 2-Port RJ-45 interfaces : 1 x PoE (Data+Power) input, 1 x Data output
- 1-Port DC output power socket
- 1 DC 5V/9V/12V DIP switch

Power over Ethernet

- IEEE 802.3at/af PoE standard compliant
- Supports max. 24watt (12VDC) power output
- Split the 48~56V DC power over RJ-45 Ethernet cable into DC 5V/9V/12V output
- Remote power feeding up to 100 meters

Hardware

- Metal case with wall-mounting capability
- All-in-one compact size design
- LED indicators for Power output
- DC output DIP switch for 5V/9V/12V

Standard Compliance

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-TX
- IEEE 802.3ab 1000Base-T
- IEEE 802.3at High Power over Ethernet
- IEEE 802.3af Power over Ethernet
- FCC Part 15 Class A, CE

Hardware Specification

Interface	Input Port
	■ 1 x RJ-45 STP
	■ PoE (Data + Power) In
	Output Port
	■ 1 x RJ-45 STP
	■ Data Out
DC Socket	
■ DC Out	
DIP-Switch	

- 5V /9V /12V DC output voltage

LED Indicators	5V /9V /12V DC output voltage (Green)
Network Cable	Midspan PoE (30W): PI100GH 10/100Base-T: 2-Pair UTP Cat. 3, 5, 5e, 6 up to 100m (328ft) 10/100/1000Base-T: 4-Pair UTP Cat. 5e, 6 up to 100m (328ft) 802.3at PoE (30W): PI100GA 10/100/1000Base-T: 2-Pair UTP Cat. 3, 5, 5e, 6 up to 100m (328ft)
Data Rate	10/100/1000Mbps Auto Sensing
Dimensions (W x D x H)	95 x 72 x 28 mm
Weight	280g
Power Requirements	48 ~ 56V DC
Max Output Power	24watts (12V), 18Watts (9V), 10watts (5V)
Operating Temperature	0 ~ 50 degrees C
Storage Temperature	-10 ~ 70 degrees C
Humidity	5 ~ 95% (Non-condensing)
Power over Ethernet	
PoE Standard	IEEE 802.3at Power over Ethernet
Power Output	DC 5V/9V/12V by DIP switch control
PoE Power Supply Method	End-Span or Mid-Span auto detection
Power Pin Assignment	1/2(-), 3/6(+) or 4/5(+), 7/8(-)
Standards Conformance	
Standards	IEEE 802.3 10Base-T Ethernet
Compliance	IEEE 802.3u 100Base-TX Fast Ethernet IEEE 802.3ab 1000Base-T Gigabit Ethernet

IEEE 802.3at High Power over Ethernet

IEEE 802.3af Power over Ethernet

High Power Midspan PoE

Regulation
Compliance

FCC Part 15 Class A, CE

Ordering Information

Part Number	Description
PS103G	10/100/1000M GbE, IEEE802.3at/af PoE splitter