

splitters

Phihongs low cost Splitters are designed to use with any non-enabled device. The splitter provided required PoE detection and Data separation and provides isolated DC-DC to step down the voltage to input into a conventional jack socket. Product is in development.



- [POE14](#)
- [POE21](#)
- [POE45](#)



21W DC-DC Power Over Ethernet Splitter POE21 Gigabit High Power Splitter



*Designed to work with
POE30U-560G Single port*



Features

- IEEE802.3af detection/disconnection
- DC Good LED
- Non-Vented Case
- Gigabit Compatible
- UNH IOL Test Report
- Full Protection OTP, OCP, OVP
- 10/100/1000 Base T Data rates

Applications

- IP Telephones
- Wireless Network Access Points
- Security Camera
- IP Print Servers

Safety Approvals

- CE

Mechanical Characteristics

- Length: 100mm (3.937in)
- Width: 56mm (2.205in)
- Height: 27.9mm (1.098in)
- Weight: 0.142Kg (0.313lb)

Output Specifications

Model	DC Output Voltage	Output Current
POE21-120	12V	1.75A

POE21 Characteristics

INPUT:

Input Voltage Range

Receives power from either Data or spare pairs

Model name	Input Voltage Range
POE21-120	45-57VDC

Input Current

0.6A(RMS) max.

OUTPUT:

Regulation

Line and Load $\pm 4\%$

Ripple

12V 120mVp-p

Efficiency

75% (typical) at Max. load 48Vinput

O/P Voltage Protection

In case of output voltage, crowbar will short

ENVIRONMENTAL:

Temperature

Operation 0 to +40°C
Non-operation -20 to +65°C

Humidity

Operation 5 to 90%

Immunity

ESD: EN61000-4-2. Level 3
RS: EN61000-4-3. Level 2
CS: EN61000-4-6. Level 2
Note: RS and CS tested with POE30U

EMC

EN55022 Class A

Isolation Test

This Splitter output is isolated from incoming POE voltages

Indicators

GREEN LED – Output Good

Cable

Designed to operate upto 100 meters per IEEE 802.3, CAT 5e or CAT6

Input and Output Data Connector

RJ45

Output Connector

Center Positive Barrel 9mm x 2.5mm ID x 5.5mm OD

Dimension Diagram Unit: mm (inch)

POE21-120

