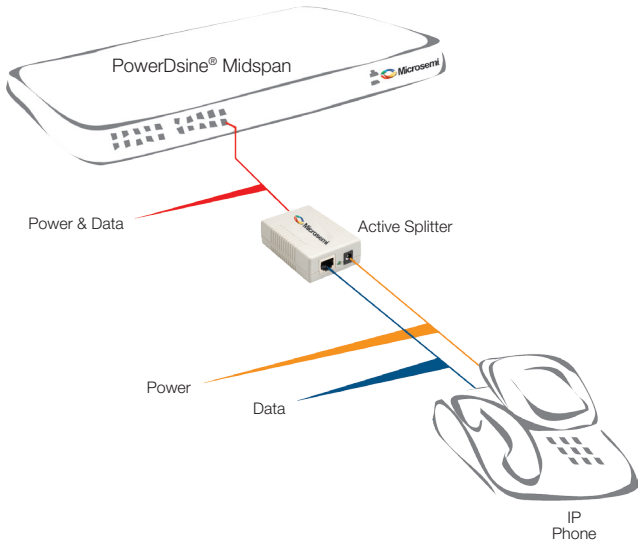
PowerDsine 601 Splitters

Splitters adapts incompatible devices to PoE



Overview

PowerDsine's active splitters enable data terminals that were not originally designed to accept power from the Ethernet, to be powered by standard Power over Ethernet switches and midspans.

Power over Ethernet (PoE) technology enables IP telephones, wireless LAN access points, security network cameras and other types of data terminals to receive power, along with data, over standard Ethernet cables upon which data and power flow in parallel.

Although a standard defining PoE already exists (IEEE 802.3af), many contemporary terminals have been designed and deployed without the ability to accept power via their LAN input – a basic requirement of the standard. Such devices can only accept power through their DC jack while their RJ45 input accepts only data. Moreover, such devices might only accept voltage levels lower than the standard's 48 volts DC.

Using the active splitter, these terminals immediately become PoE–ready without any modification required on their side. The splitter is identified as a powered device (PD) in front of the switch or midspan and after being detected and powered, it physically splits the combined data and power stream arriving over a single cable into two separate streams travelling over two separate cords (LAN & DC power) which then go directly to the data terminal (12V or 5V).

PoE Splitter Features

- Accepts power from either PoE switch or a Midspan.
- Converts standard 48 Volts to a lower voltage level matched to the terminal's specification.
- Simple installation with no need for system reconfiguration.

PoE Splitter Specifications

Connectors	2 x RJ-45, shielded, EIA 568A and 568B
PD-AS-601/5, PD-AS-601/12:	DC Jack O.D x I.D = 5.5 x 2.5¢ x 1 mm DC Jack O.D x I.D = 5.5 x 3.3¢ x 1 mm
Data Rate	PD-AS-601: 10/100 PD-PS-401G: 10/100/1000
Input Power Requirement	Voltage: 36 - 57 Vdc Input power: 13.5W max
PD-AS-601/5/12:	Output power: 10W max Output Current: 2A@5V; 0.8A@12V
Dimensions & Weight	
PD-AS-601/5 and PD-AS-601/12:	55 mm x 80.8 mm x 24.7 mm (2.2inx3.2in x1in) 100 gram (0.2205 lbs)
Indicators	Power Indicator: Green LED (PD-AS-601/5/12)
Environmental	Operating Temp: 0 to 40ºC (32º to 104ºF) Storage Temp: -20º to 70ºC (-4º to 158ºF) Operating Humidity: 10 to 90%, non-condensing Storage Humidity: 5 to 95%, non-condensing
Thermal Rating:	11 BTU/Hr (@ 5/12V)
Reliability	MTBF: 100,000 hours @ 25ºC
Electromagnetic Emissions & Immunity	FCC Part 15 Class A EN55022 (CISPR 22) Class A EN55024 (CISPR 24)
Regulatory Compliance	CE
Warranty	1-year

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Ordering Information

Splitters

Part Number	Description
PD-AS-601/5	5V Active Splitter
PD-AS-601/12	12V Active Splitter (up to 10W*)

* For above 10W, use PD-AS-701/12

For More Information

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Power Matters.

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