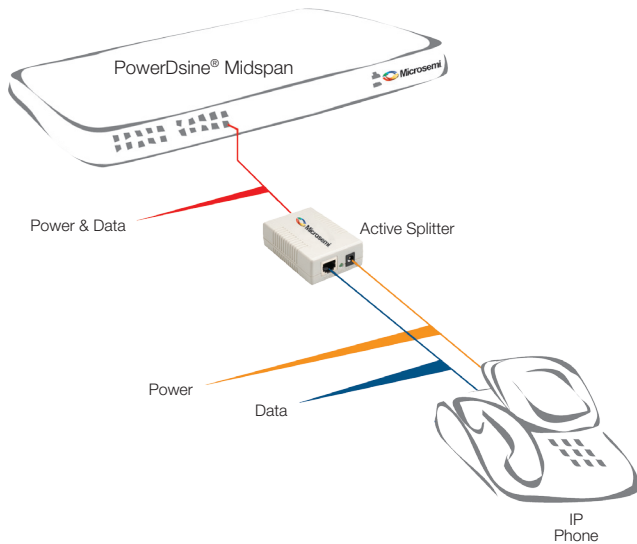


PowerDsine 601 Splitters

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 (2.2in x 3.2in x 1in) 100 gram (0.2205 lbs) |
| Indicators | Power Indicator: Green LED (PD-AS-601/5/12) |
| Environmental | Operating Temp: 0 to 40°C (32° to 104°F) Storage Temp: -20° to 70°C (-4° to 158°F) 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 @ 25°C |
| Electromagnetic Emissions & Immunity | FCC Part 15 Class A EN55022 (CISPR 22) Class A EN55024 (CISPR 24) |
| Regulatory Compliance | CE |
| Warranty | 1-year |

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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