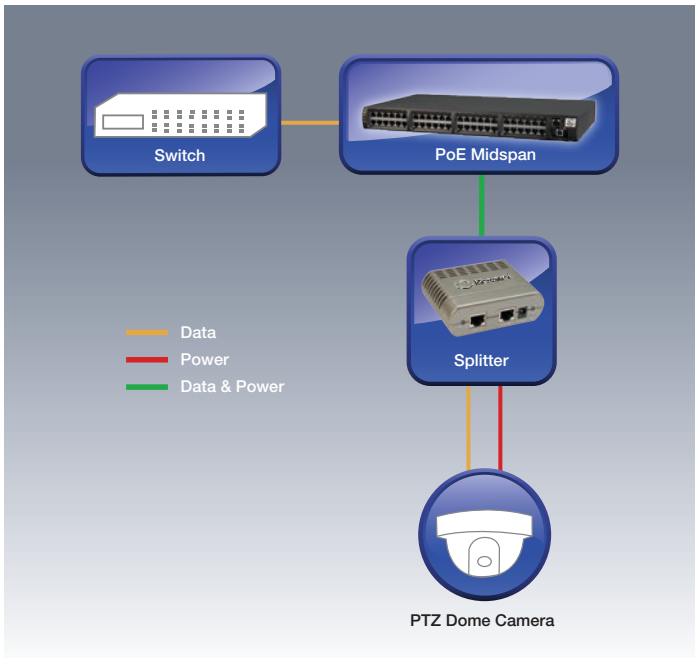


# PoE Splitters Datasheet

## 5V Active Splitter, 12/24V Active Splitters



### Overview

Many contemporary terminals such as 802.11n access points, thin clients, video phones, PTZ (Pan/Tilt/Zoom), and IP cameras were designed and deployed without the ability to accept power via their Ethernet input. Such devices can only accept power through their DC jack while their RJ45 input accepts only data. Also, such devices might require voltage levels lower than the PoE standard minimum voltage (44V in IEEE802.3af or 50V in 802.3at). Using a Microsemi splitter, these terminals can immediately become PoEready without any modification required on their side.

The splitter is identified as a powered device (PD) in front of the powering Microsemi midspan and after being detected and powered by the midspan, it physically splits the combined data and power stream into two separate cords (Ethernet data & DC power) which then go directly to the respective inputs on the terminal. The splitter also adjusts voltage to the level required by the terminal (5V, 12V or 24V).

### Ordering Information

Model	Functionality
PD-AS-601/5	Power conversion from 48V to 5V output, 2 × DC jacks: round 3.4 × 1.35 mm and 5.5 × 2.5 mm
PD-AS-951/12-24	Power conversion from 48V to 12V or 24V DC output (user selectable), 4 pairs, for use with PD-9500G family



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