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PD-AS-951 Splitter

Enables Powering of 12V and 24V Terminals via PoE

Summary

Microchip's PD-AS-951 splitter enables data terminals that were not originally designed to accept power from the Ethernet to be powered by Power over Ethernet (PoE) midspans. The PD-951 splitter can power devices such as WiMAX CPEs, small WiMAX base-stations, 802.11n access points, thin clients, Pan-Tilt-Zoom (PTZ) IP cameras, video phones and more.

The splitter is identified as a Powered Device (PD) in front of the powering Midspan and after being detected and powered, it physically splits the data and power streams, arriving over a single cable, into two separate cords (LAN and DC) which go directly to the data terminal. The DC output is user selectable (12V or 24V).

Features

- Splits power and data into individual power and data outputs
- User selectable 12V or 24V output
- Accepts IEEE® 802.3at/af PoE input

Specifications

Feature	Description
Number of Ports	1
Data Rate	10/100/1000 Mbps
Input Power Requirement	Input Voltage: 44 to 57 VDC Input Power 70W Maximum
Output Power	54W Maximum 5A @ 12V; 2.5A @ 24V
Pin Assignment	1/2 (-), 3/6 (+) or 7/8 (-), 4/5 (+)
Dimensions	L × W × H 73 mm × 130 mm × 38 mm 2.87 in. × 5.11 in. × 1.50 in.
Net Weight	310g
Connectors	2 × RJ-45, Shielded, EIA 568A and 568B DC O.D. × I.D. = 2.5 × 6.4 mm
Indicators	Output Power Indicators: Green LED (4-pairs), Yellow LED (2-pairs)
Environmental Conditions	Operating Ambient Temperature: -40ºF to 149ºF (-40ºC to +65ºC) Operating Humidity: 90% Maximum Non-Condensing Storage Temperature: –4ºF to +158ºF (–20ºC to +70ºC) Storage Humidity: 95% Maximum, Non-Condensing
Hazardous Substances	CE, WEEE
Warranty	1 year
Extended Warranty Available	No
Reliability	MTBF: 100,000 hrs. @ 25ºC
Thermal Rating	38 BTU/Hr
Regulatory Compliance	IEEE® 802.3af/at
Electromagnetic Emission and Immunity	FCC Part 15 Class A EN55022 (CISPR 22), Class A EN55024 (CISPR 24)

Technical Support

For technical support, please visit the Microchip Technical Support Portal at www.microchip.com/support.

Ordering Information

Part Number	Name	Description
PD-AS-951/12 - 24	PD-AS-951 Splitter	12V to 24V 60W Splitter with DC Connector

Contact Microchip for other options

About Microchip mPoE

Microchip multi-Power over Ethernet (mPoE) is a technology that powers any wired network device seamlessly and efficiently, making it the ideal solution for Ethernet-based applications. Leveraging a uniquely designed algorithm, this technology solves interoperability issues between different PoE standards and legacy solutions to provide an international network power standard. As a pioneer in PoE technology, we offer a comprehensive end-to-end portfolio of PoE solutions comprised of PoE ICs and PoE systems (midspans/injectors and switches).

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