High-Power PoE Systems

Solution Overview

Power Over Ethernet (PoE) is a revolutionary technology that enables delivery of power over standard Ethernet cables into IP-based data terminals facilitating quick and easy installation of IP telephones, WLAN access points, surveillance cameras and other IP-based devices. Microchip is an innovator and thought leader in PoE technology, as well as a major contributor to the 802.3af, 802.3at and 802.3bt IEEE standards. Our PoE systems portfolio is widely adopted in physical security, mobility, smart-building and other IoT applications.

Product Features

- 30W, 60W and 95W
- Single and multi-port (1/4/6/12/24)
- Indoor, outdoor and industrial rated
- Power management (cloud-based SNMPv3)
- Dual power supply (AC and DC)

Target Applications

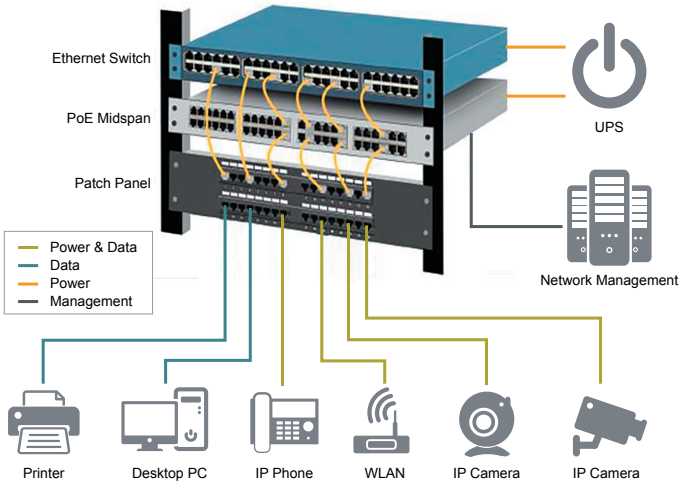
- Wireless access points
- IP surveillance cameras
- IP telephones
- IP access control devices
- LED lighting
- IP-based sensor

Challenges Addressed

- Leverage existing non-PoE or low-power PoE switches, increase RoI by upgrading current infrastructure with a lower cost and plug-and-play PoE solution of up to 95 W
- Power outdoor devices, wireless access points, wireless radios and surveillance cameras with outdoor rated PoE systems
- Increase energy-efficiency with 4-pair PoE technology
- Remotely manage the power network and overcome troubleshooting challenges

Why PoE Midspan?

- Full power capability
  - Maximum power available on all ports concurrently
- Power redundancy
  - UPS or PoE midspan power backup
- Lifetime warranty
  - Limited to 16 years on power supply and fan
- Highly competitive pricing
  - In comparison with other enterprise-level solutions



The Sales Pitch

Power-over-Ethernet technology is becoming the most used and efficient power source for IT networks. The new IEEE802.3bt standard delivers up to 90W enabling most enterprise devices to be powered by PoE. Microchip's PoE systems are IEEE standards compliant, tested and approved by industry leading vendors and have millions of ports installed worldwide. We offer a complete product portfolio, from single-ports to 24-ports, indoor, outdoor and industrial rated, full-power on all-ports and lifetime warranty on all multi-port products. Microchip's PoE systems offer significant differentiators and unique features, enabling you to succeed.

High-Power Product Selection Guide

Indoor

Power Per Port	Product	Number of Ports	Data Rate	Managed	Input Power	Warranty
30W	PD-9001GR/AT/AC	1	1G		AC	1 year
30W	PD-9001GR/SP/AC**	1	1G		AC	1 year
30W	PD-5501G/12-24VDC	1	1G		DC	1 year
30W	PD-9001-25GR/AC	1	2.5G		AC	1 year
30W	PD-9001-10GR/AC	1	10G		AC	1 year
30W	PD-9004G/AC	4	1G		AC	1 year
30W	PD-9006G/ACDC/M, PD-9012G/ACDC/M, PD-9024G/ACDC/M	6/12/24	1G	Yes	AC and DC	Limited lifetime***
30W	PDS-208G/AC*	8	1G	Yes	AC	3 years
30W	PD-5524G/ACDC/M	24	1G	Yes	AC and DC	Limited lifetime***
60W	PD-9501GR/AC	1	1G		AC	1 year
60W	PD-9501GR/SP/AC**	1	1G		AC	1 year
60W	PD-9501G/SFP/AC	1	1G		AC	1 year
60W	PD-9501G/24VDC	1	1G		DC	1 year
60W	PD-9501G/48VDC	1	1G		DC	1 year
60W	PD-9506G/ACDC/M, PD-9512G/ACDC/M, PD-9524G/ACDC/M*	6/12/24	1G	Yes	AC and DC	Limited lifetime***
95W	PD-9601G/AC	1	1G		AC	1 year
95W	PD-9606G/ACDC/M, PD-9612G/ACDC/M	6/12	1G	Yes	AC and DC	Limited lifetime***

*Any individual port can operate at up to 72 W.
**Includes integrated surge protection.
***Limited lifetime includes a limitation of 16 years warranty on the power supply and fans.

Outdoor

Power Per Port	Product	Number of Ports	Data Rate	Managed	Input Power	Warranty
30W	PD-9001GO-ET/AC	1	1G		AC	5 years
60W	PD-9501GO-ET/AC	1	1G		AC	5 years
60W	PD-9501GO/12-24VDC	1	1G		DC	5 years
60W	PD-9501GO/48VDC	1	1G		DC	5 years
60W	PDS-104GO/AC/M	4	1G	Yes	AC	5 years
90W	PD-9601GO/AC	1	1G		AC	5 years

Industrial

Power Per Port	Product	Number of Ports	Data Rate	Managed	Input Power	Warranty
30W	PD-9001GI/DC	1	1G		DC	5 years
60W	PD-9501GI/DCF	1	1G		DC	5 years

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