

PoE Solutions for Campus Environments



WLANs

IP Phones

Surveillance Cameras

How Microsemi PoE Can Help You

Build Reliable and Secure Networks for the Most Demanding Campus Applications

The exponential growth of mobile computing and bring your own device (BYOD) is driving schools, colleges, and universities to extend network access and connectivity throughout their campuses. With increasing security concerns, video surveillance in campuses is also on the rise. Education campuses generally encompass dozens of buildings, establishing the need for an astounding number of powered devices (PDs) including WLAN access points, IP phones, security cameras, and access controls.

Fast, Simple, and Cost-effective Solutions

Microsemi's PoE Midspans eliminate the need for local AC power sources, enabling fast and simple installation of WLAN access points and IP surveillance cameras.



A Complete Product Portfolio of Indoor and Outdoor PoE Solutions

Leverage our wide portfolio of PoE solutions, from 15 W to 95 W of full power, single and multi-port Midspan Injectors, and Switches addressing the unique requirements of both indoor and outdoor applications.

Benefits for Integrators

- Increase sales using vendor-agnostic solutions
- Reduce project costs by eliminating the need for electrical retrofitting
- Accelerate time-to-market with quick and seamless installation
- Maximize profits with remote infrastructure management
- Provide ongoing value with a lifetime product warranty
- Generate power savings with remote control and monitoring of operation and scheduling
- Expand user networks effortlessly with increased installation flexibility

Benefits for Educational Institutions

- Reduce initial investment by eliminating separate data and power infrastructures
- Increase flexibility by installing access points and surveillance cameras in the most appropriate locations
- Optimize costs with remote shutdowns of access points when not in use
- Improve reliability with cost-effective centralized backup power
- Enhance safety by not using high-voltage power lines
- Reduce maintenance costs with remote infrastructure management
- Scale network easily and seamlessly by adding new devices as needed

Meet the Rising Demand for Increased Data Rates

Microsemi's PoE products provide fast and cost-effective solutions as a part of IEEE 802.11ac or IEEE 802.11ax WLAN access point installations to help schools, colleges, and universities meet the exploding demands for high data rates without changing their existing cabling infrastructure. We ensure significant return-on-investment for all—integrators and educational institutions.

Microsemi offers a 2.5G MUX that connects to an existing 1G switch and provides a 2.5G link over CAT5e/6 infrastructures. Microsemi PoE solutions also include 2.5G and 10G PoE Midspan Injectors used to add PoE to multigigabit networks.

PoE Selection Guide

Indoor PoE Midspan Injectors

Power per Port	Product	Number of Ports	Data Rate	Remotely Managed	Input Power	Warranty
15.4 W	PD-3501G/AC	1	1G		AC	1 year
15.4 W	PD-3504G/AC	4	1G		AC	1 year
15.4 W	PD-6506G/AC/M, PD-6512G/AC/M, PD-6524G/AC/M/F	6/12/24	1G	Yes	AC	Limited lifetime
30 W	PDS-EM-8100-25/AC	1	2.5G		AC	1 year
30 W	PD-9001-25GR/AC	1	2.5G		AC	1 year
30 W	PD-9001-10GR/AC	1	10G		AC	1 year
30 W	PD-9001GR/AT/AC	1	1G		AC	1 year
30 W	PD-9004G/AC	4	1G		AC	1 year
30 W	PD-9006G/ACDC/M, PD-9012G/ACDC/M, PD-9024G/ACDC/M/F	6/12/24	1G	Yes	AC and DC	Limited lifetime
30 W	PD-5501G/12-24VDC	1	1G		DC	1 year
30 W	PD-5524G/ACDC/M	24	1G	Yes	AC and DC	Limited lifetime
30 W	PD-9001GR/SP/AC*	1	1G		AC	1 year
60 W	PD-9501GR/AC	1	1G		AC	1 year
60 W	PD-9501G/24VDC	1	1G		DC	1 year
60 W	PD-9501G/48VDC	1	1G		DC	1 year
60 W	PD-9506G/ACDC/M, PD-9512G/ACDC/M, PD-9524G/ACDC/M	6/12/24	1G	Yes	AC and DC	Limited lifetime
60 W	PD-9501G/SFP/AC	1	1G		AC	1 year
60 W	PD-9501GR/SP/AC*	1	1G		AC	1 year
95 W	PD-9601G/AC	1	1G		AC	1 year
95 W	PD-9606G/ACDC/M, PD-9612G/ACDC/M	6/12	1G	Yes	AC and DC	Limited lifetime

*Includes integrated surge protection

Outdoor PoE Solutions

Power per Port	Product	Number of Ports	Data Rate	Remotely Managed	Input Power	Warranty
30 W/ 60 W	PDS-104GO/AC/M	5 (1 SFP data input, 4 PoE outputs)	1G	Yes	AC	5 years
30 W	PDS-102GO/AC/M	3 (1 data input, 2 PoE outputs)	1G	Yes	AC	5 years
30 W	PD-9001GO-ET/AC	1	1G		AC	5 years
30 W	PD-9501GO-ET/AC	1	1G		AC	5 years
60 W	PD-9501GO/12-24VDC	1	1G		DC	5 years
60 W	PD-9501GO/48VDC	1	1G		DC	5 years
60 W	PD-9601GO/AC	1	1G		AC	5 years
95 W	PD-OUT/SP11	1port outdoor surge protector	1G		DC	5 years

Ruggedized/Industrial PoE Solutions

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

Microsemi: the Market Leader in PoE

As pioneers of PoE technology, Microsemi has been instrumental in implementing the IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt, and HDBaseT standards. Known for our innovation and reliable solutions, we are a leading provider of PoE systems and ICs, delivering up to 95 W over a single category 5/5E/6/6A/7 cable in both indoor and outdoor environments.

Microsemi Empower Partner Program

Become a leader in your marketplace with Empower—our Channel Partner Program with a special education discount available.

To learn more about how over 200 Empower Partners have benefited from this program, email us at empower@microsemi.com.



Microsemi is continually adding new products to its industry-leading portfolio.

For the most recent updates to our product line and for detailed information and specifications, please call, email, or visit our website.

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