

PowerDsine[®] Power over Ethernet Solution for Campus Environments



Key Applications Powered

- WLAN Access Points
- IP Security Cameras
- Access Control
- IP Telephony

Benefits Realized

- Power Savings Through Scheduling
- Leverage Existing Switch Infrastructure
- Guaranteed Device Up-time
- Leverage Existing CAT5 (or better) Cable Infrastructure

Situational Overview

The number of powered devices (PDs) in the campus environment is astounding; WLAN access points, IP cameras, IP phones, access control, and others. These require secure reliable power sources with remote management capabilities. Energy costs are up nearly 20% within the past year alone and schools are facing budget cuts. The demand for network solutions minimizing the total cost of ownership is growing.

The PowerDsine Advantage

Capex Savings	Leading PoE switch C3750x-24P-S: \$5,162.99 PD-6524G/AC/M 24-port PoE midspan: \$1,199.00
Ease of Installation	Headache-free
Power Savings through Scheduling	\$386 savings/year/midspan with 12 hours/day scheduled down-time¹
Reliability	Hassle-free
Lifespan of Device	MTBF – Non-PoE switch lasts 40% longer than PoE switch²
EQUALS	Lowest Total Cost of Ownership

¹ Additional power savings available with 4 pair capabilities in 95XX family only.

² Assuming \$.15/kWh, 24-port midspan.

The Challenges

Increasing Demand for WLAN Access

- Installation of WAPs must be simple and cost-effective
- Full WLAN coverage is not required 24/7

Expanding Surveillance Capabilities and Limiting Physical Access

- Security cameras are installed in hard to reach places
- Cameras need to be relocated as campus demographics shift
- AC power is rarely located on a ceiling

The Solution: PowerDsine PoE Midspans

- Can be added to an existing network alongside existing switch
- Can power all IEEE802.3 standard and legacy devices
- Carry power over same cables as data, no AC installation required
- Can be managed remotely
- Layer 1 data pass through = longer life span than PoE Switch
- Decreased power consumption
- Plug-and-play

Ordering Information

Part Number	Description
PD-6506G/AC/M	6-port, 15.4W/port, 100W total power, 1 Gigabit, Managed
PD-6512/AC/M	12-port, 15.4W/port, 200W total power, 1 Gigabit, Managed
PD-6524G/AC/M	24-port, 15.4W/port, 200W total power, 1 Gigabit, Managed
PD-6524G/AC/M/F	24-port, 15.4W/port, 400W total power, 1 Gigabit, Managed
PD-9001G/40/SP	1-port, 40W/port, 1 Gigabit with surge protection
PD-9001GO <i>(coming soon)</i>	1-port, 3W/port, 1 Gigabit midspan, Outdoor
PD-9006G/ACDC/M	6-port, 30W/port, 450W total power, 1 Gigabit, Managed
PD-9012G/ACDC/M	12-port, 30W/port, 450W total power, 1 Gigabit, Managed
PD-9024G/ACDC/M	24-port, 30W/port, 450W total power, 1 Gigabit, Managed
PD-9024G/DC/M	24-port, 30W/port, DC, 1 Gigabit, Managed
PD-9506G/ACDC/M	6-port, 60W/port, 450W total power, 1 Gigabit, Managed
PD-9512G/ACDC/M	12-port, 60W/port, 1000W total power, 1 Gigabit, Managed
PD-9524G/ACDC/M <i>(coming soon)</i>	24-port, 60W/port, 1000W total power, 1 Gigabit, Managed
PD-PoE Extender	1-port, high-power gigabit extender

For More Information

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Microsemi Corporation (NASDAQ: MSCC) is a leading provider of semiconductor solutions differentiated by power, security, reliability and performance. PowerDsine® PoE Solutions, a Microsemi brand, is the thought leader in energy efficient, high power PoE technology.

Learn more at www.microsemi.com/powerdsine.