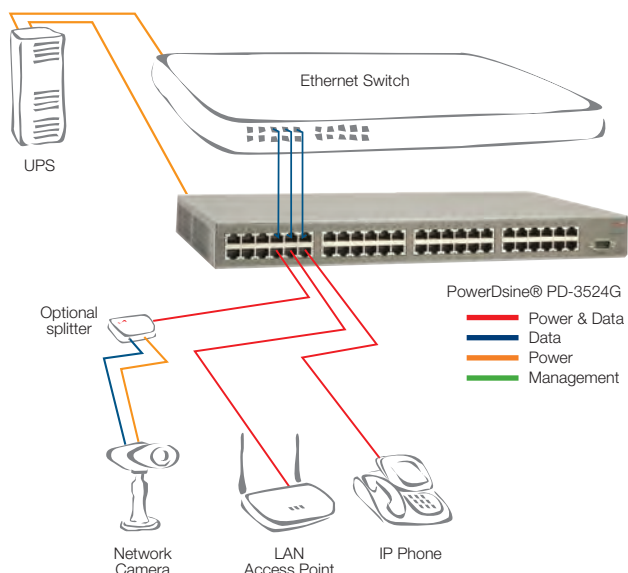


# PowerDsine 3500/3500G

Unmanaged Gigabit Midspans for the enterprise market



## Overview

The PowerDsine 3500 family offers a cost effective, fully IEEE 802.3af compliant solution to upgrade existing infrastructures with PoE, providing a maximum of 15.4 watts of power through each port and ensuring safe operation of any standard PoE data terminal. The PowerDsine PD-3500 family provides PoE to IP telephones, wireless LAN access points, security network cameras and other IP terminals to receive power, along with data, over standard Ethernet cables, leaving network infrastructure completely unaltered.

With the midspan's plug-and-play installation, they are easily and cost effectively implemented leveraging an existing Ethernet infrastructure while at the same time providing the assurance of a future proof network.

## PD-3500/3500G Features

- Safe & reliable power over existing Ethernet infrastructure
- Scalable 6, 12 & 24 port models for flexible installation
- Cisco and legacy PoE support\*
- Plug-and-play installation
- Guaranteed uptime

\* Dongles required

## PD-3500/3500G Specifications

No. of Ports	6/12/24
Pass Through Data Rates	3500: 10/100 Mbps 3500G: 10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 48Vdc User Port Power: 15.4 Watts Aggregate Power: up to 400W
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 4A @ 110 Vac; 2A @ 240 Vac AC Frequency: 50 to 60 Hz
Dimensions	438 mm x 272 mm x 44 mm 17.3 in. x 10.8 in. x 1.75 in or 1U
Weight	8.8 lbs (4 kg)
Indicators	System Indicator: AC Power (Green)  User Indicator: Channel Power (Green)
Connectors	Shielded RJ-45, EIA 568A and 568B
Environmental Conditions	Operating Ambient Temperature: 32° to 104°F (0 to 40°C)  Operating Humidity: Maximum 90%, Non-condensing  Storage Temperature: -4° to 158°F (-20° to 70°C)  Storage Humidity: Maximum 95%, Non-condensing  Operating Altitude: -1000 to 10,000 ft. (-304.8 to 3048 m)
Reliability	MTBF: 100,000 hrs. @25°C
Thermal Rating	190 BTU/Hr
Warranty	1-year
Regulatory Compliance	IEEE 802.3af (PoE, PoH Type 1) RoHS Compliant, WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN 55022 Class B (Emissions) EN 55024 (Immunity), VCCI
Safety Approvals	UL/cUL Per EN 60950 GS Mark Per EN 60950

**PowerDsine®**

**Microsemi**

## Ordering Information

### 10/100 Mbps Models

Part Number	Name	Ports
PD-3506/AC	PowerDsine 3506	6-port, 100W total power
PD-3512/AC	PowerDsine 3512	12-port, 200W total power
PD-3524/AC	PowerDsine 3524	24-port, 200W total power

### 10/100/1000 Mbps Models

Part Number	Name	Ports
PD-3506G/AC	PowerDsine 3506G	6-port, 100W total power
PD-3512G/AC	PowerDsine 3512G	12-port, 200W total power
PD-3524G/AC	PowerDsine 3524G	24-port, 200W total power
PD-3524G/AC/F	PowerDsine 3524G	24-port, 400W total power

## For More Information

### North America

PowerDsineUSA@microsemi.com

### EMEA

(Europe, Middle East, Africa)

PowerDsine@microsemi.com

### LATAM

(Latin America)

PowerDsineLATAM@microsemi.com

### APAC

(Asia Pacific)

PowerDsineAPAC@microsemi.com



Power Matters.

Microsemi Corporation (NASDAQ:MSCC) offers the industry's most comprehensive portfolio of semiconductor and networking technology. PowerDsine® PoE Systems, a Microsemi brand, is the thought leader in energy efficient, high power PoE technology. Learn more at [microsemi.com/powerdsine](http://microsemi.com/powerdsine)

©2011 Microsemi Corporation. All rights reserved. Microsemi and the Microsemi logo are trademarks of Microsemi Corporation. All other trademarks and service marks are the property of their respective owners.

MSC-PD-DS-3500-8.2011