# PowerDsine 3500/3500G

Unmanaged Gigabit Midspans for the enterprise market



UPS

Ethernet Switch

Optional splitter

PowerDsine® PD-3524G

| | |
|---|---|
| ■ Power & Data | |
| ■ Data | |
| ■ Power | |
| ■ Management | |

Network Camera

LAN Access Point

IP Phone
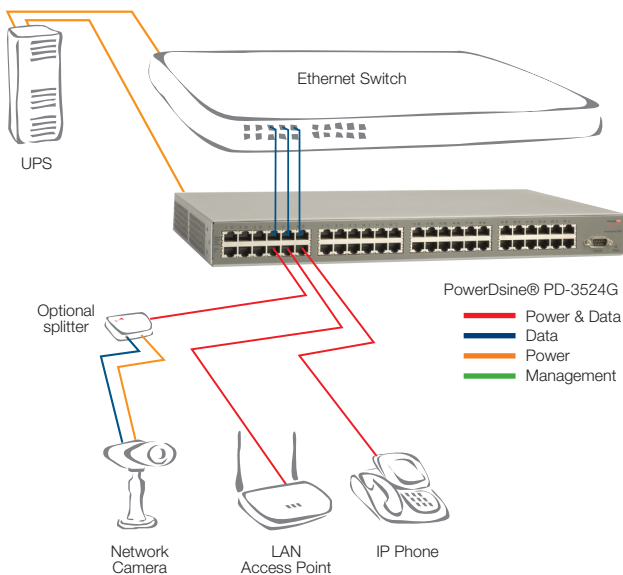
## Overview

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

## PD-3500/3500G Specifications

| | |
|---|---|
| No. of Ports | 6/12/24 |
| Pass Through Data Rates | 3500: 10/100 Mbps<br>3500G: 10/100/1000 Mbps |
| Power over Ethernet Output | Pin Assignment and Polarity:<br>4/5 (+), 7/8 (–)<br>Output Power Voltage: 48Vdc<br>User Port Power: 15.4 Watts<br>Aggregate Power: up to 400W |
| Input Power Requirements | AC Input Voltage: 100 to 240 Vac |
| | AC Input Current:<br>4A @ 110 Vac;<br>2A @ 240 Vac<br>AC Frequency: 50 to 60 Hz |
| Dimensions | 438 mm x 272 mm x 44 mm<br>17.3 in. x 10.8 in. x 1.75 in or 1U |
| Weight | 8.8 lbs (4 kg) |
| Indicators | System Indicator:<br>AC Power (Green) |
| | User Indicator:<br>Channel Power (Green) |
| Connectors | Shielded RJ-45, EIA 568A and 568B |
| Environmental Conditions | Operating Ambient Temperature:<br>32° to 104°F (0 to 40°C) |
| | Operating Humidity:<br>Maximum 90%, Non-condensing |
| | Storage Temperature:<br>–4° to 158°F (–20° to 70°C) |
| | Storage Humidity:<br>Maximum 95%, Non-condensing |
| | Operating Altitude:<br>–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<br>EN 55022 Class B (Emissions)<br>EN 55024 (Immunity), VCCI |
| Safety Approvals | UL/cUL Per EN 60950<br>GS Mark Per EN 60950 |

* Dongles required

## 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

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**Microsemi**

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## Power Matters.