Data Sheet

# PowerDsine 3500 Series

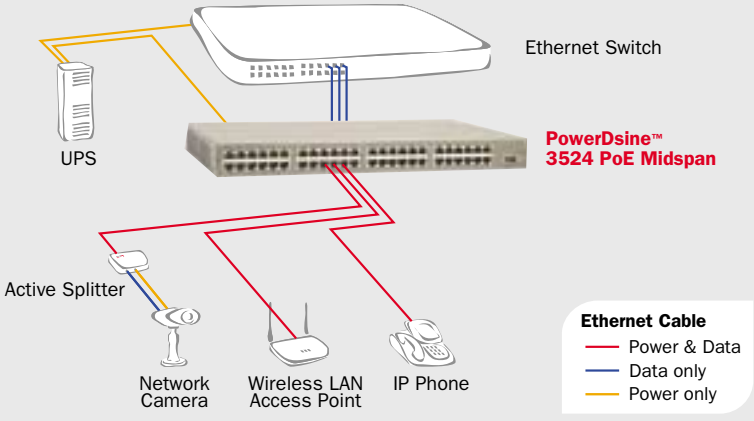
## Cost Effective, Highly Reliable Power over Ethernet Midspan Family

**PowerDsine 3500 Power over Ethernet (PoE) Midspan family offers a cost effective, fully IEEE 802.3af compliant solution to upgrade existing infrastructure with PoE**

PowerDsine 3500 family allows IP telephones, wireless LAN access points, security network cameras and IP terminals to receive power, along with data, over standard Ethernet cables, leaving network infrastructure completely unaltered. With PoE, data and power flow smoothly and safely over a single LAN cable with no interference. A PoE Midspan (PoE injector) resides between the Ethernet switch and the data terminals, delivering data, along with power, from switch to powered devices. It is a highly effective means for injecting power into existing LAN cables. PowerDsine 3500 series Midspans, fully comply with the IEEE 802.3af PoE definition standard, provide a minimum of 15.4 Watts of power through each port and ensure safe operation of any standard PoE data terminal.

### Benefits

- The most cost-effective solution to upgrade existing infrastructures to PoE
- Safe & reliable power over existing Ethernet infrastructure
- Safe solution that Protects network infrastructure
- Scalable 24, 12 port models for optimized installation
- Fully standard-compliant




PowerDsine™ PoE Midspan is now a product line of Microsemi Corporation

Microsemi

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## Description of Features

- **Simplicity -** The 3500 Midspan (PoE injector) is a plug-and-play product - once turned on, it initiates a negotiation process with all connected data terminals, then powers all valid powered devices detected. For the greatest possible ease of use, no reconfiguration of the switch is ever required.
- **Scalability & Flexibility -** The 3500 Series supports large installations using multiple 24-port units, in places where multi-user IP telephony systems are installed. 12 port model optimally suit smaller installations where WLAN access points and security cameras are involved. The Midspan optimizes PoE port count since an existing switch can be used along with a Midspan that supports only the exact number of required PoE ports.
- **Compatibility -** The 3500 series enables interoperability with any 10/100 Mbit Ethernet switch and with virtually any type of powered device.
- **Standards Compliance -** All 3500 series Midspans comply with the IEEE 802.3af standard, enabling full interoperability with common powered devices and ensuring the safety of non-PoE terminals such as desktop/laptop computers, even in the face of faulty power provision that could have resulted in electric damage.
- **Legacy Powered Device Support -** 3500 series Midspans may be used to power pre-standard PoE applications, such as Cisco legacy terminals and others.
- **Future-Proof Investment -** Midspan deployment effectively extends the effective lifespan of your network equipment. 3500 series Midspans may be fully integrated with existing networks, saving the need to swap out non- PoE switches for ones with PoE capabilities.
- **Minimal Network Downtime -** Midspan installation is designed to ensure that organizational productivity remains as high as possible, typically involving network downtime of no more than a few hours.
- **Centralized Power Distribution -** The Midspan, backed by a central UPS (Uninterrupted Power Supply), provides cost-effective distribution of backed-up power and ensures uninterrupted network operation, even in cases of electrical power outages.
- **Cost Savings -** Deploying 3500 series Midspans is far less costly than upgrading to a PoE switch, or buying a brand new one. Midspan installation is considerably easier than switch installation, driving costs lower.

## Specifications

| | |
|---|---|
| **Connectors** | PoE ports & data port: RJ-45, shielded, EIA 568A and 568B<br>Console port: DB-9, Male |
| **Ethernet** | 10/100 Base-T |
| **Electrical** | Power Supply: 100-240 VAC<br>Input Current: 4A@110V,2A@220V;<br>AC Frequency: 50/60 Hz<br>Output Voltage: 48VDC on pins: 4/5(+),7/8 (-)<br>Power (per port): 15.4 W min.<br>Total Available Power: 200W |
| **Enviromental** | Operating Temp: 0 to 40°C (32°to 104°F)<br>Storage Temp: -20°to 70°C (-4°to 158°F)<br>Operating Humidity: 10 to 90%, non-condensing<br>Storage Humidity: 5 to 95%, non-condensing<br>Operating Alt: -305 to 3,048 m, (-1000 to 10,000 ft)<br>Thermal Rating: 285 BTU/Hr (@240 VAC) |
| **Reliability** | MTBF: 100,000 hours @25°C |
| **Displays** | AC Power LED indicator<br>Per-Port LED indicator |
| **Dimensions** | Height:44 mm (1.75 in or 1U)<br>Width: 438 mm (17.3 in)<br>Depth: 272 mm (10.8 in)<br>Weight: 4 kg (8.8 lbs); |
| **Standards Supported** | IEEE 802.3af (Power over Ethernet);<br>RoHS Compliant<br>WEEE Compliant |
| **Safety** | UL, cUL, GS Mark, EN 60950, C-Tick |
| **Emissions& Immunity** | EN55022 (CISPR 22) Class B<br>EN55024 (CISPR 24)<br>CE<br>VCCI |
| **Warranty** | 1-Year warranty |
| **Service** | USA: Tel: 1-877-480-2323<br>UK: Tel: 0-800-085-8814<br>International: Tel: +972-9-7755123<br>E-Mail: customer.care@powerdsine.com |

## Ordering Information

| Part Number | Nama | Description |
|---|---|---|
| PD-3512/AC | PowerDsine 3512 | 12-port, 200W total power |
| PD-3524/AC | PowerDsine 3524 | 24-port, 200W total power |

XX denotes power cord type: US-North America, UK-Great Britain, EU-Europe, AU-Australia, JP-Japan



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