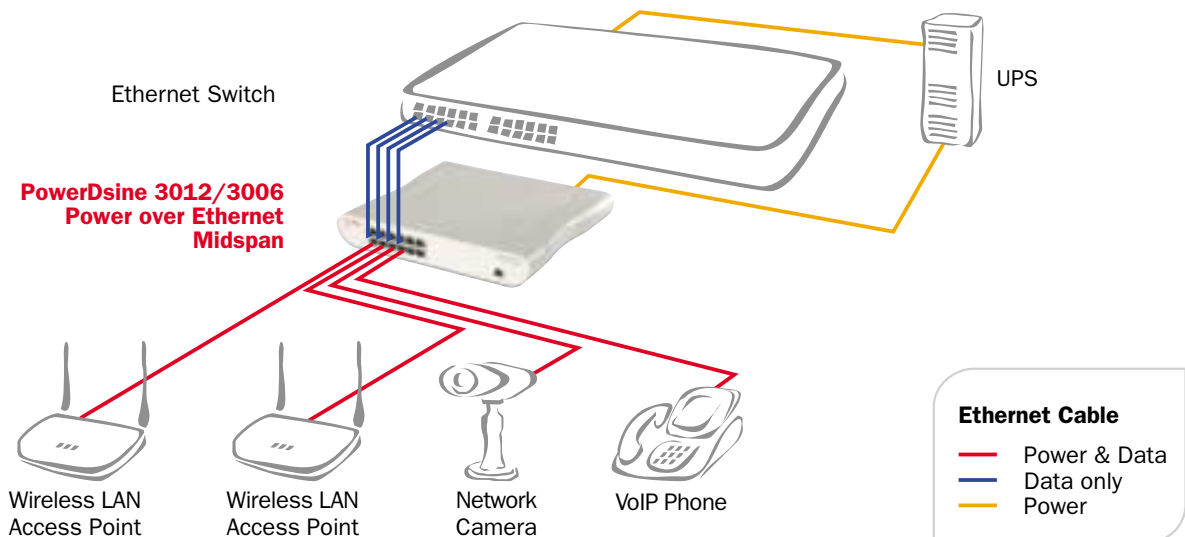# PowerDsine 3012/3006
Cost-Effective Power over Ethernet 3000 Midspan Family

PowerDsine's Power over Ethernet (PoE) 3000 Midspan family offers a cost-effective, fully IEEE 802.3af compliant solution for remote powering of wireless LAN access points, as well as other low port density PoE installations.

The 3000 PoE midspan series eliminates the need for external power supply and its associated AC/DC power cabling, providing a compact, affordable, safe and reliable power solution for small to medium enterprises.

Ethernet Switch

UPS

PowerDsine 3012/3006 Power over Ethernet Midspan

Wireless LAN Access Point

Wireless LAN Access Point

Network Camera

VoIP Phone

Ethernet Cable
— Power & Data
— Data only
— Power

Features

- Fully IEEE 802.3af standard compatible

- Compatible with IEEE 802.3af or legacy Cisco powered devices

- Safe and reliable powering of wireless LAN access points, IP phones and low-port density installations

- Automatic detection and protection of non-standard Ethernet terminals

- Compact design specifically tailored for small and medium businesses

- Scalable solution offers 1/6/12-port products.

Benefits

- Cost effective power distribution for wireless LAN access points, IP Phones and network cameras

- Safe powering of standard compliant, as well as pre-standard end-terminals

- Powers all major wireless LAN access points and IP phones

- Investment protection of existing Ethernet switches and cabling infrastructure

- Saves time and reduces installation costs

- Easy plug-and-play installation

- Cleans up low density wireless LAN deployment and eliminates the need for multiple one-port PoE solutions.

PowerDsine™

The Power over Ethernet Pioneers

PowerDsine 3012/3006
Cost-effective Power over Ethernet 3000 Midspan Family

Description of Features

- **Remote Power Feeding** - PowerDsine's 3012/3006 Power over Ethernet midspans connect to an existing Ethernet infrastructure and enable users to upgrade their existing Ethernet switches and provide Power over Ethernet capabilities. By sending 48V, Ethernet terminals such as wireless LAN access points, IP phones and network cameras are powered remotely. An external splitter may be installed where a device is not standard compliant.

- **Standard Compliance** - PowerDsine's 3012/3006 Power over Ethernet midspans are fully compatible with the IEEE 802.3af standard.

- **Centralized Power Distribution** - Deploying Power over Ethernet in conjunction with a central UPS provides a cost-effective way to distribute backup power and ensures uninterrupted operation of the network during electrical power failure.

- **Advanced Auto-Sensing Algorithm** - The PowerDsine 3012/3006 midspans feature a standard IEEE 802.3af auto-sensing algorithm, providing safe power only to PoE enabled devices.

- **Easy to Install** - PowerDsine's 3012/3006 Power over Ethernet midspans are plug-and-play devices. Once turned on, they automatically detect all Power over Ethernet terminals and supply power over Ethernet.

- **Concise LED Displays** - Each port is monitored through the front panel by a bi-colored LED, indicating normal, overload or short-circuit conditions. Additional indicators are included for main power supply and self-test monitoring.

- **Compact Design** - PowerDsine's 3012/3006 are small and compact products, especially designed for small business and low-port density installations. For 19 inch rack mounting, a unique mounting bracket kit is available.

Ordering Information

Order Number	Description
6-port Power over Ethernet Midspan	
PD-3006/AC	AC input
12-port Power over Ethernet Midspan	
PD-3012/AC	AC input
19-inch Mounting Bracket kit for 3012/3006	
PD-3000/MBK	Brackets for 19" rack mounting

∗ Also available in 1-port Midspan version

Specifications

No. of Ports	12/6
Data Rates	10/100 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (–) Output Power Voltage: -48V User Port Power: 15.4W min. Aggregate Power: 93W Power 3012 management
Input Power Requirements	AC Input Voltage: 90 to 264 Vac AC Input Current: 2A @ 110 Vac 1A @ 220 Vac AC Frequency: 47 to 63 Hz
Dimensions	280 mm x 247 mm x 48 mm 11.02 in. x 9.7 in. x 1.9 in.
Weight	2.4 lbs (1.1 kg)
Indicators	System Indicator: AC Power (Green/Orange) User Indicator: Channel Power (Green/Orange)
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)
Regulatory Compliance	CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B with FTP cabling EN 55022 Class B (Emissions) EN 55024 (Immunity)
Safety Approvals	UL/cUL Per EN 60950 GS Mark Per EN 60950

International Headquarters
PowerDsine Ltd.
1 Hanagar St.,
P.O.Box 7220
Hod Hasharon 45421
Israel
Tel: +972-9-7755100
Fax: +972-9-7755111
sales@powerdsine.com

North America
PowerDsine, Inc.
1865 New Highway
Farmingdale, NY 11735
USA
Tel: +1-631-756-4680
Fax: +1-631-756-4691
sales@powerdsineusa.com

Europe
PowerDsine UK
Lakeside House
1 Furzeground Way
Stockley Park, Uxbridge
UB11 1BD, United Kingdom
Tel: +44 (0) 208 622 3107
Fax: +44 (0) 208 622 3200
uk@powerdsine.com

PowerDsine™
The Power over Ethernet Pioneers

www.powerdsine.com