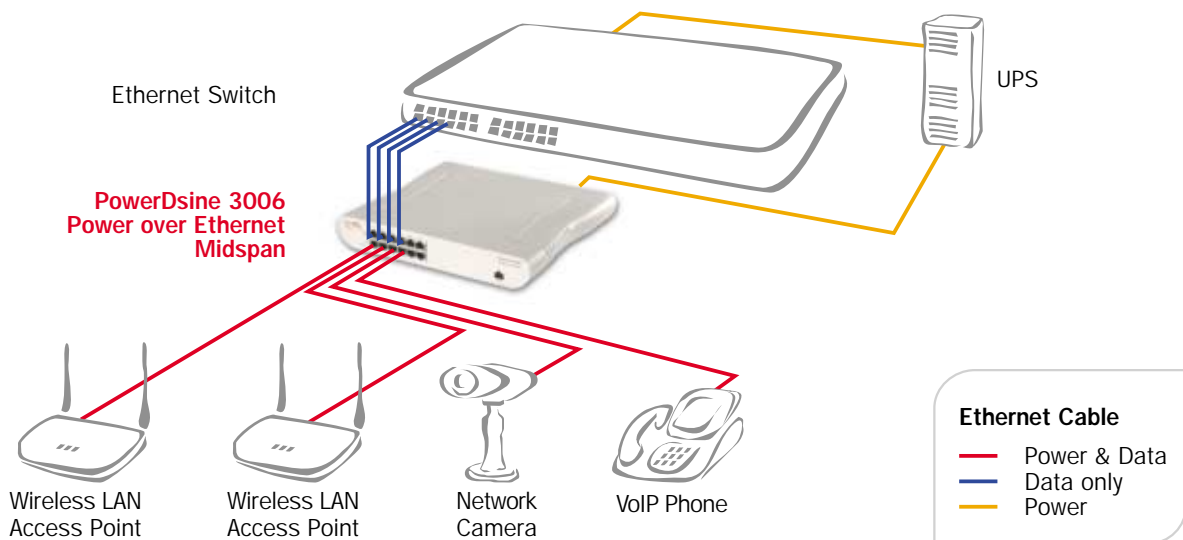# PowerDsine 3006
Power over Ethernet Midspan for Low-Density Installations

PowerDsine's Power over Ethernet (PoE) 3006 Midspan offers a cost-effective, fully IEEE 802.3af compliant solution designed for the Small Medium Business (SMB) market. The 3006 PoE Midspan allows an easy, simple and cost-effective way for SMBs to deploy low-density installations of powered terminals, such as Wireless LAN Access Points (WLAN APs), network security cameras and Internet Protocol (IP) phones.

For Wireless LAN deployments, the PowerDsine 3006 PoE Midspan supports up to six WLAN APs, replacing current 1-port power injector solutions that only support one dedicated powered terminal.

Ethernet Switch

UPS

PowerDsine 3006 Power over Ethernet Midspan

Wireless LAN Access Point

Wireless LAN Access Point

Network Camera

VoIP Phone

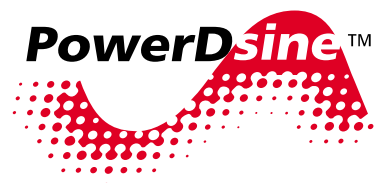**Ethernet Cable**
— Power & Data
— Data only
— Power

Features

- Fully IEEE 802.3af standard compliant
- Safe and reliable powering of wireless LAN access points and low-port density installations
- Automatic detection and protection of legacy Ethernet terminals
- Compact design specifically tailored for small business

Benefits

- Cost effective power distribution for wireless LAN access point installations
- Safe powering of standard compliant, as well as pre-standard end-terminals
- 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 3006
Power over Ethernet Midspan for Low-Density Installations

Description of Features

- **Remote Power Feeding** - The PowerDsine 3006 Power over Ethernet midspan connects to legacy Ethernet infrastructure, enables users to upgrade their existing Ethernet switches and provide power over Ethernet capabilities. The PowerDsine 3006 generates safe power over standard Category 5 unshielded twisted-pair and shielded twisted pair cabling. 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 3006 Power over Ethernet midspan is fully compatible with IEEE 802.3af standard.

- **Centralized Power Distribution** - Deploying a Power over Ethernet midspan 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 3006 midspan features a standard IEEE 802.3af auto-sensing algorithm, providing safe power only to PoE enabled devices.

- **Easy to Install** - PowerDsine's 3006 Power over Ethernet midspan is a plug-and-play device. Once turned on, it automatically detects 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 3006 is a small and compact product, especially designed for small business and low-port density installations.

Ordering Information

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

Specifications

No. of Ports	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
Input Power Requirements	AC Input Voltage: 90 to 264 Vac AC Input Current: 4A @ 110 Vac / 2A @ 220 Vac AC Frequency: 47 to 63 Hz
Dimensions	1.73 in. x 11.06 in. x 11.18 in. 4.4 cm x 28.1 cm x 28.4 cm
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

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