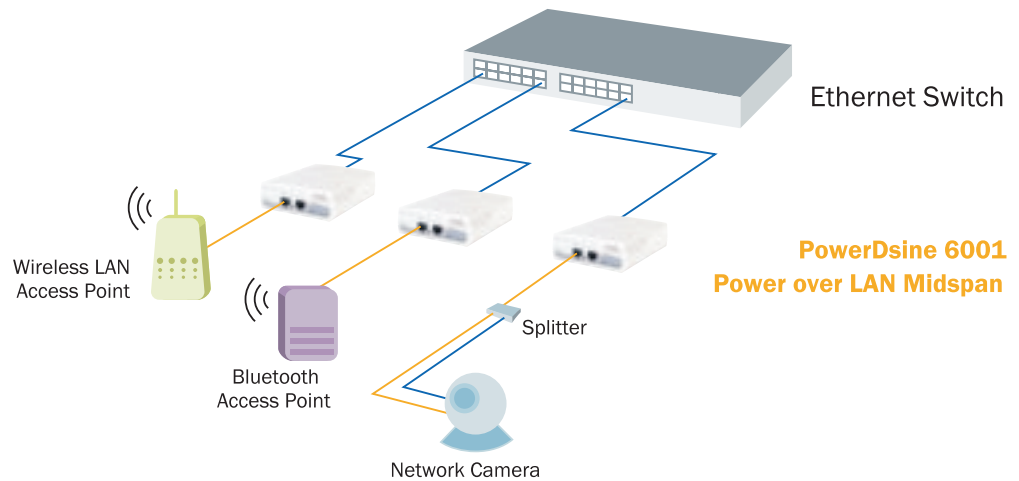


PowerDsine 6001

Single-Port Power over LAN™ Midspan

PowerDsine 6001 is a single-port Power over LAN midspan, providing power as well as data over Ethernet cabling. Incorporating IEEE 802.3af compliance, as well as PowerDsine's unique legacy detection, the PowerDsine 6001 powers virtually any Power over LAN ready device.



Features

- Powers all major Wireless LAN and Bluetooth access points, Network cameras and IP phones in the market
- Remote power for scattered topology devices
- Safe powering
- Easy and simple installation
- Continuous monitoring of the powered device
- Backup capability of the powered device
- Wall and shelf mountable
- IEEE 8023af compliant



Benefits

- Cost-effective installation, saving electrician installation costs
- Effective powering for lower density installations
- Automatic detection and protection of legacy non-powered Ethernet terminals
- No need for bulky AC adapter, power cord and a local UPS
- Identification of faulty powered devices and safe shut down to protect the infrastructure and device
- Backup of the *PowerDsine 6001* in the communication room guarantees continuous operation of WLAN APs and security cameras
- Firmly fixed in the communication room



PowerDsine 6001 Single-Port Power over LAN Midspan

IEEE 802.3af Compliant

Description of Features

- **Remote Power Feeding** – The *PowerDsine 6001* Power over LAN midspan connects to an existing Ethernet infrastructure via any standard Category 5 cabling. By sending -48 V , Ethernet terminals (IP phones, wireless LAN access points and network cameras) can be powered by the *PowerDsine 6001* midspan. An external splitter is installed where a device is not compatible with Power over LAN. This splitter separates the required DC voltage and the Ethernet data, into two separate outputs.
- **Scalable Solution** – The *PowerDsine 6000* Power over LAN Family includes the *PowerDsine 6001*, *6006*, *6012* and *6024* Power over LAN midspans, featuring 1, 6, 12 and 24 ports, respectively.
- **Centralized Power Distribution** – Deploying Power over LAN midspan in conjunction with a UPS enables distribution of back-up power to ensure uninterrupted operation of the powered devices.
- **Smart Ethernet Wiring** – The *PowerDsine 6001* directly transfers data over pairs 1/2 and 3/6. The *PowerDsine 6001* acts as a normal patch panel for Ethernet connections, ensuring continuous and reliable performance. Power is provided only over unused Ethernet pairs 4/5 and 7/8.
- **Standard Compliance** – *PowerDsine 6001* midspan is fully compatible with IEEE 802.3 standard (when no inline power is supplied) and with IEEE 802.3af, DTE Power via Media Dependent Interface (MDI).
- **Advanced Auto-Sensing Algorithm** – *PowerDsine 6001* midspan features a standard IEEE 802.3af auto-sensing detection algorithm, as well as backward compatibility to the pre-standard algorithm. This algorithm ensures continuous proper operation of devices, such as ordinary Network Interface Cards (NICs) that do not expect power on their Ethernet connection.
- **Easy to Use** – The *PowerDsine 6001* Power over LAN midspan is a plug-and-play product. Once turned on, they automatically detect all Power over LAN Ethernet terminals and supply power. All port interfaces are located on the front panel for easy access. The *PowerDsine 6001* Power over LAN midspan can be wall or shelf mounted.

Specifications

No. of Ports	1
Data Rates	10/100 Mbps
Power over LAN Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: -48 VDC User Port Power: 15.4 W min.
Input Power Requirements	AC Input Voltage: 90 to 264 Vac AC Frequency: 47 to 63 Hz AC Input Current : 0.3 A at 110 Vac, 0.15 A at 240 Vac
Dimensions	(H) 1.75 in. x (W) 4.17 in. x (D) 5.5 in. (H) 44.4 mm x (W) 106 mm x (D) 140 mm Weight: 1.0 lbs (450 g)
Indicators	System Indicator: AC Power (Green) User Indicator: Channel Power Active (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 167° F (-20° to 75° C) Storage Humidity: Maximum 95%, Non-condensing Operating Altitude: -1000 to $10,000\text{ ft.}$ (-304.8 to 304.8 m)
Thermal Rating	127.5 BTU (-48Vdc)
Regulatory Compliance	CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B EN55022 Class B (Emissions) EN50082-1 (Immunity)
Safety Approvals	UL 1950 CSA C22.2 No. 950 EN 60950 GS EN 60950

Ordering Information



Single-Port Power over LAN Midspan

PD-6001/AC/48

AC input



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