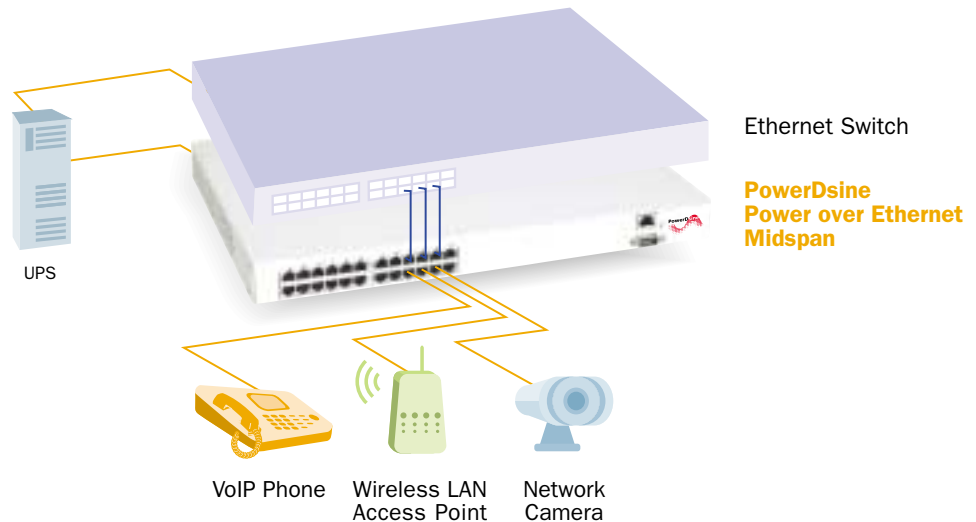


PowerDsine 6024/6012/6006

Power over Ethernet 6000 Midspan Family

PowerDsine's flagship IEEE 802.3af standard compliant Power over Ethernet 6000 midspan family provides power, as well as data, over standard Ethernet cabling.

The 6000 series midspan eliminates the need for external power supply and its associated AC/DC power cabling, thus providing a highly cost effective, safe and reliable means for powering Voice over IP phones, Wireless LAN access points and IP network video cameras in enterprise installations.



Features

- Highly scalable 24/12/6-port solution
- Fully IEEE 802.3af standard compliant
- Safe and cost effective power distribution
- Automatic detection and protection
- Backup capability of the powered devices
- Remote management option
- Compact 19" rack mountable in 1U



Benefits

- Cost effective power distribution for medium to high port density installations
- Safe powering of standard compliant as well as legacy devices
- Investment protection of existing Ethernet switches and cabling infrastructure
- Easy plug-and play installation
- Continuous operation of powered devices during power failure
- Easy online supervision and configuration using a web browser
- Compact design for efficient rack space usage



PowerDsine 6024/6012/6006

Power over Ethernet 6000 Midspan Family

Description of Features

- **Remote Power Feeding** - The PowerDsine 6024/6012/6006 Power over Ethernet midspans connect to an existing Ethernet infrastructure via standard Category 5 unshielded twisted-pair and shielded twisted-pair cabling. An external splitter may be installed where a device isn't standard compliant.
- **Scalable Solution** - The PowerDsine 6024/6012/6006 Power over Ethernet midspans support up to twenty-four Ethernet terminals. Multiple midspans can be mounted in a wiring closet to support additional terminals, resulting in a simple, cost effective method for expanding the network, as requirements evolve.
- **Centralized Power Distribution** - Deploying Power over Ethernet in conjunction with a central UPS provides a cost-effective way to distribute back-up power and ensures uninterrupted operation of the network during electrical power failure.
- **Standard Compliance** - PowerDsine 6024/6012/6006 midspans are fully compatible with IEEE 802.3af standard.
- **Advanced Auto-Sensing Algorithm** - PowerDsine 6024/6012/6006 Midspans feature a standard IEEE 802.3af auto-sensing algorithm, as well as a backward compatible pre-standard one.
- **Easy to Use** - The PowerDsine 6024/6012/6006 Power over Ethernet midspans are plug-and-play products. Once turned on, they automatically detect all Power over Ethernet terminals and supply inline power.
- **Concise LED Displays** - Real-time network monitoring through the front panel, includes a bi-color, per-port LED, indicating normal, overload or short-circuit conditions.
- **Compact Size** - The standard 19-inch, 1U high Power over Ethernet midspans allow easy rack mounting, while occupying minimal space in the wiring closet.
- **Power Management** - PowerDsine 6024/6012/6006 midspans include enhanced power management capabilities by controlling the output power per port in the event of limited available power.

Ordering Information

Order Number	Description
6 Port Power over Ethernet Midspan	
PD-6006/AC	AC input
PD-6006/AC/M	AC input, Remote Management
12 Port Power over Ethernet Midspan	
PD-6012/AC	AC input
PD-6012/AC/M	AC input, Remote Management
24 Port Power over Ethernet Midspan	
PD-6024/AC	AC input
PD-6024/AC/M	AC input, Remote Management

Specifications

No. of Ports	24/12/6
Data Rates	10/100 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: -48 Vdc User Port Power: 15.4 W min. (power management) Aggregate Power 6024/6012: 200 W Aggregate Power 6006: 100 W
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	(H) 1.75 in. x (W) 17.0 in. x (D) 11.9 in. (H) 4.4 cm x (W) 43.8 cm x (D) 30.2 cm
Weight	8.8 lbs (4 kg)
Management	Local LED display Remote management - optional
Indicators	System Indicator: AC Power (Green/Orange) User Indicator: Channel Power (Green/Orange)
Connectors	Shielded RJ-45, EIA 568A and 568B DB-9, Female
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)
Thermal Rating	200 BTU
Regulatory Compliance	CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B with FTP cabling EN55022 (CISPR 22) class B with FTP cabling EN55024 (CISPR 24)
Safety Approvals	UL/cUL Per EN60950 GS Mark Per EN60950

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