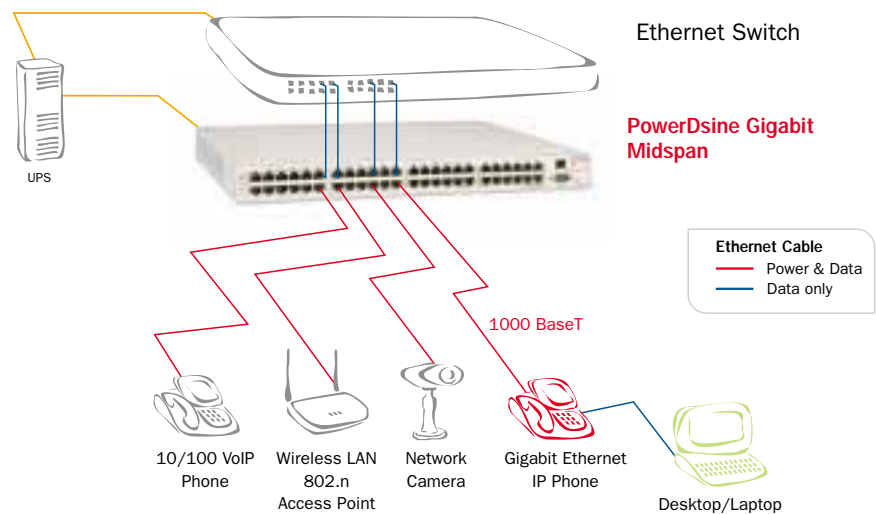


PowerDsine 6024G/6012G/6006G

Power over Gigabit Ethernet Midspan Family

PowerDsine's Power over Ethernet 6000G Midspan family provides safe power over standard Ethernet cabling to both existing 10/100 baseT network devices and emerging Gigabit devices.

The PowerDsine 6000G PoE Midspans are the market's first midspans providing power for Gigabit Ethernet devices. Enterprise installing IP phones, wireless LAN access points and IP network video cameras are assured long-term PoE investment protection by supporting both existing 10/100 baseT devices while ensuring support for future 1000 baseT devices.



Features

- 24/12/6 Power over Ethernet Ports
- Supports data rates up to 1000Mbps
- 19" rack mountable, 1U height
- IEEE 802.3af standard-compliant
- Safe and cost effective power distribution over CAT5/5E/6 LAN infrastructure
- Automatic detection and protection of legacy non-PoE terminals
- Backup capability of the powered devices
- Advanced management features
- SNMP V3 (Secured SNMP version) MIB support and Web browsing



Benefits

- Optimal, cost effective power distribution for low to high port density installations
- Protect investment by providing future proof installation for Gigabit application
- Safe powering of standard compliant as well as legacy devices
- Cost saving - network upgrade without replacing existing switches
- Continuous operation of powered devices during power failure
- Compact design for efficient rack space usage
- Software tool which control & monitor the power per port in terms of prioritization, power consumption, enabling/disabling power per ports.



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Power over Gigabit Ethernet 6000G Midspan Family

Description of Features

- **Keep the Existing Infrastructure** - PowerDsine 6000G PoE Midspans connect to an existing Ethernet infrastructure via standard Category 5/5e/6 cabling, thus enabling the upgrade of the network to PoE while keeping the existing switch. An external splitter may be installed where an end terminal is not standard compliant.
- **Remote Power Feeding** - The PowerDsine 6000G PoE Midspans eliminate the need for external power supply and its associated AC/DC power cabling, thus providing a highly cost-effective, safe and reliable means for remote powering of Voice over IP phones, Wireless LAN access points and IP network video cameras and other IP devices in the enterprise.
- **Compact Size** - The standard 19-inch, 1U high PoE Midspan supports applications up to 1GB/S performance while occupying minimal space in the wiring closet. the 6000G is the first Midspan to support 24 Gigabit powered devices simultaneously.
- **Future proof investment** - PowerDsine's unique Power over Gigabit Ethernet Midspan offers a scalable solution that will enable the deployment of new PoE applications and services without the need for additional upgrades, thus providing support for existing 10/100 devices as well as future 1000Mbps devices.
- **Centralized Power Distribution** - The PowerDsine 6000G Midspans provide a cost-effective way to distribute power and ensure uninterrupted operation of the network during electrical power failure, when connected with a central UPS.
- **Standard Compliance** - PowerDsine 6000G PoE Midspans are fully compatible with the IEEE 802.3af standard, providing safe power to remote terminals, both to standard and pre-standard ones.
- **Easy to Install** - The PowerDsine 6000G is a plug-and-play product, which minimizes the disruption to the working place. Once turned on, it automatically detects all PoE terminals and supplies power over the Ethernet infrastructure.
- **Concise LED Displays** - The PowerDsine 6000G has a per-port LED indication. It offers real-time network monitoring through the front panel and indicates normal, overload or short-circuit conditions.
- **Power Management** - PowerDsine 6000G PoE Midspans have an advanced power management algorithm which control the output power per port in the event of limited available power, and saves costs by improving the cooling and UPS sizing considerations at the communication room.
- **Secure Remote Management** - The PowerDsine 6000G offer new advance secure remote management capabilities including authentication algorithm (i.e. MD5) and privacy algorithm (i.e. DES). It supports MIB of SNMP V3 (secure version) and enables the use of HTTPS. It has built-in web server to enable remote monitoring over a local area network using web browser.

Specifications

No. of Ports	24/12/6
Data Rates	10/100/1000 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: 200 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
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/hrs
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) VCCI
Safety Approval	UL/cUL per EN 60950 GS Mark per EN 60950

Ordering Information

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

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