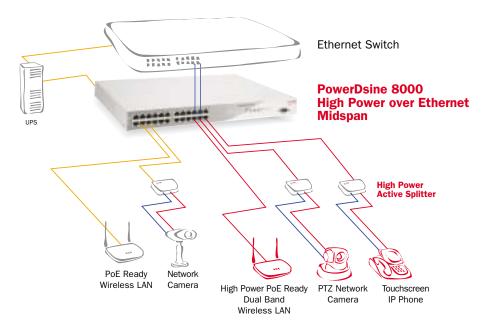
PowerDsine 8012/8006

High Power over Ethernet 8000 Midspan Family

PowerDsine's High Power over Ethernet (*HighPoE*) 8000 midspan family provides up to 39.5W power, as well as data, over standard Ethernet cabling, supporting IEEE 802.3af detection and safety requirements.

The 8000 High-Power midspan series 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 PTZ network cameras, multi-channel and outdoor wireless LAN access points, and other high power consumption Ethernet devices in enterprise installations.



High Power Applications

Features

- Delivers up to 39.5W power
- Highly scalable 12/6-port solution
- Powering IEEE 802.3af standard compliant devices
- Safe power distribution over existing CAT5 LAN infrastructure
- Automatic detection and safety requirement according to IEEE 802.3af
- Compact 19" rack mountable in 1U
- · Backup capability of powered device



Benefits

- Supports high power end-terminals
- Cost saving power distribution for low to medium port density installations
- Safe powering of high power, standard compliant devices and legacy devices
- Cost-effective power distribution installation
- Easy plug-and play installation
- Compact design for minimal rack space
- Continues operation of powered device during power failure



PowerDsine 8012/8006

High Power over Ethernet 8000 Midspan Family



Remote Power Feeding - The PowerDsine 8012/8006 High Power over Ethernet (HighPoE) midspans connect to an existing Ethernet infrastructure via standard Category 5 unshielded twisted-pair and shielded cabling, delivering up to 39.5W.

The PowerDsine 8012/8006 HighPoE midspans can power terminals with power consumption higher than 12.95W (which is defined as the maximum by the IEEE 802.3af standard), such as Pan, Tilt, Zoom (PTZ) Network Cameras, high-end color touch screen IP phones and dual band/outdoors wireless LAN access points.

- Scalable Solution The PowerDsine 8012/8006 HighPoE midspans support six or twelve 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 costeffective way to distribute back-up power and ensures uninterrupted operation of the network during electrical power failure.
- Standard Compliance PowerDsine 8012 Midspans are capable of powering IEEE 802.3af standard compliant equipment devices as well as high power ones.
- Easy to Use The PowerDsine 8012/8006 HighPoE 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 1U High, 19-inch HighPoE midspans allow easy rack mounting, while occupying minimal space in the wiring closet.

Ordering Information

Order Number	Description	
6 Port High Power over Ethernet Midspan		
PD-8006/AC	AC input	
12 Port High Powe	r over Ethernet Midspan	
PD-8012/AC	AC input	

Specifications

Specifications	
No. of Ports	12/6
Data Rates	10/100 Mbps
High PoE Output	Powering on 4 pairs simultaneously Pin Assignment and Polarity: 4/5 (+), 7/8 (-) and 1/2 (-), 3/6 (+) Output Voltage (typ.): 56.5Vdc User Port Power (typ.): 39.5W (using Power management) Available Power: 200 W
Input Power	AC Input Voltage: 90 to 264 Vac
Requirements	AC Frequency: 47 to 63 Hz AC Input Current: 4 A at 110 Vac, 2 A at 240 Vac
Dimensions	1.75 x 17.0 x 11.9 in. (h * w * d) 4.4 x 43.8 x 30.2 cm (h * w * d)
Weight	8.8 lbs (4 kg)
Indicators	System Indicator: AC Power (Green/Orange) DC Power (Green/Orange) User Indicator: Channel Power (Green/Orange)
Connectors	Shielded RJ-45 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 Approval	UL/cUL per EN 60950 GS Mark per EN 60950

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