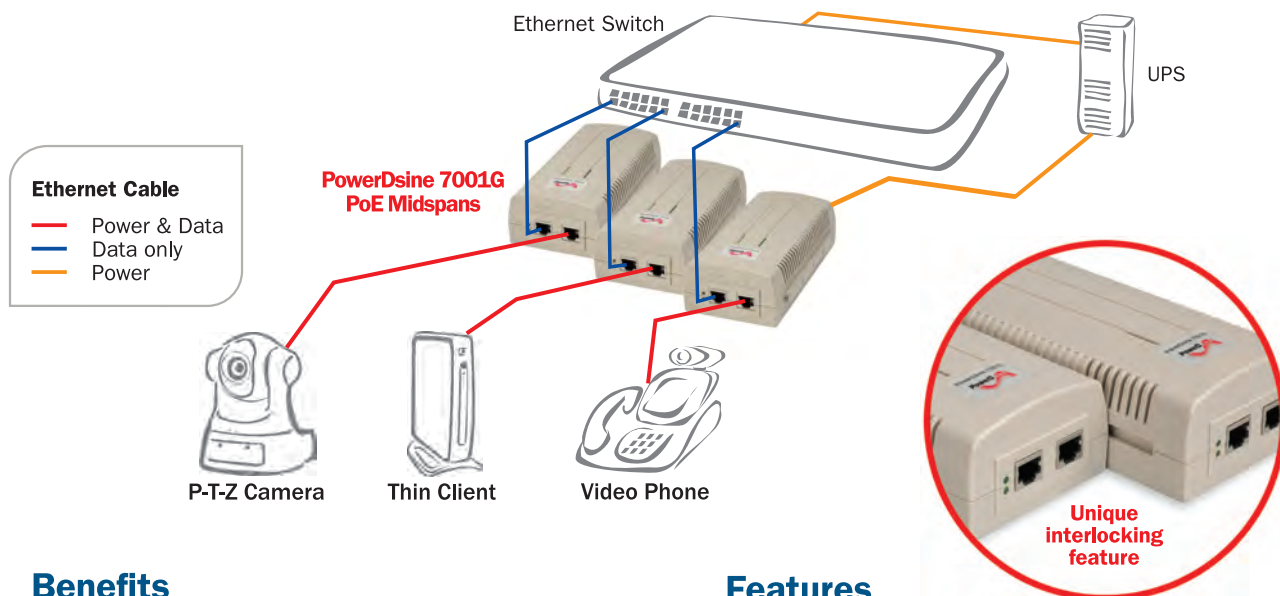


High Power and Compact 1-Port Power over Ethernet Midspan

The PowerDsine® 7001G Power over Ethernet (PoE) single port midspan from Microsemi offers a compact, high-power 1-port solution for remote powering of wireless LAN (WLAN) access-points, IP security cameras and other low port density installations.

Generating a minimum of 30W, the 7001G enables remote power for a new range of applications including pan-tilt-zoom (PTZ) cameras, video-phones and thin-clients. It complies to IEEE 802.3af PoE standard parameters, while doubling the power available from prior midspans. It can power both existing 10/100 baseT network devices and such emerging wireless gigabit devices as Wi-MAX and remote distance wireless IEEE 802.11n access points.

The 7001G PoE Midspan eliminates the need for external power supplies and AC/DC power cabling to end devices, providing a compact, affordable, safe and reliable power solution over existing Ethernet infrastructures.



Benefits

- Broader Range of Remote Power Applications: PTZ Cameras, Thin Clients, Video Phones
- Steep Installation Cost Reduction for WLAN / Wi-MAX / 802.11n Access Points
- Safely Powers Both Standard and Pre-Standard Compliant End-Terminals
- Utilizes Existing Ethernet Switches and Cabling Infrastructure for Easy PoE Addition
- Plug-and-Play Installation Saves Time and Reduces Cost
- Multiple Midspans Mount Easily Together to Power Additional Ethernet Terminals
- Cleans Up Low-Density Wireless LAN deployment
- Supports Gigabit Ethernet Data Transmission or Wi-MAX Access Points; Gigabit IP Phones and IP cameras

Features

- High Power on 2-pairs
- Maintains IEEE 802.3af Standards--With Double the Power
- Compatible With All IEEE 802.3af or Legacy Cisco-Powered Devices
- Safe: Low Power Devices Receive Only the Power They Need
- Safe and Reliable Power to WLAN Access Points
- Automatic Detection and Protection of Non-standard Ethernet Terminals
- Supports 10/100/1000BaseT applications
- Compact Design Fits Easily in WLAN Access Point Installations
- Unique Interlocking Feature Connects Multiple Units
- Internal AC/DC Converter Eliminates External Power Bricks

PowerDsine 7001G

Description of Features

- **High Power** – The PowerDsine 7001G PoE Midspan answers a market need to expand the range of applications that can be powered by PoE. Its unique design provides a minimum of 30 Watts of power on 2-pairs cabling to end-devices.
- **Compliance to Standard** -- Maintains IEEE 802.3af standard parameters, with double the power. The 7001G PoE Midspan features a standard auto-sensing algorithm to provide safe power to remote terminals.
- **Upgrade Legacy Ethernet Switches** - The PowerDsine 7001G PoE Midspan connects to legacy Ethernet infrastructure, enabling the easy addition of power over Ethernet capabilities to existing switches. The PowerDsine 7001G generates safe power over standard Category 5 cabling. By combining power and data, Ethernet terminals -- such as wireless LAN access points, IP Phones and network cameras -- can be powered remotely. An external splitter may be installed where a device is not standard compliant.
- **Compact Design** - PowerDsine's 7001G Power over Ethernet Midspan is a small and compact standalone product. No additional components are needed, except a standard IEC320 line cord.
- **Scalable Design** - PowerDsine's 7001G has an exclusive interlocking feature which connects multiple units together to support more than one wireless LAN access point. It is especially designed for small business and low-port density installations.
- **Centralized Power Distribution** - Deploying a PoE midspan in conjunction with a central UPS provides a cost-effective way to distribute backup power and ensure uninterrupted operation of the network during electrical power failures.
- **Easy to Install** – The PowerDsine 7001G PoE Midspan is a plug-and-play unit. Once turned on, it automatically detects terminal devices and supplies the proper power over their Ethernet cables.
- **Concise LED Displays** – The PowerDsine 7001G has two LEDs, indicating normal, overload or short-circuit conditions.
- **Powering GigabitDevices** – The PowerDsine 7001G supports existing 10/100Mbps devices as well as new emerging 1000Mbps terminals in the gigabit environment.

Specifications

No. of Ports	1
Data Rates	10/100/1000 Mbps
PoE Output	Pin Alignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 55V User Port Power: 30W min.
Input Power Requirements	AC Input Voltage: 90 to 264 Vac AC Input Current: 1A @ 110–220 AC Frequency: 47 to 63 Hz
Dimensions	87.9 mm (W) x 51.3 mm (H) x 166 mm (L)
Weight	.771 lbs (350 g)
Indicators	Power Indicator: AC Power (Green) User Indicator: Channel Power (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 158° F (-20° to 70° C) Storage Humidity: Maximum 93%, 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 (CISPR 22) Class B with FTP cabling EN 55024 (CISPR 24)
Safety Approvals	UL/cUL Per EN 60950-1 GS Mark Per EN 60950