

Providing Flexible, Network-based PoE Power to Polycom IP Telephones

Benefits

Cost Effective PoE solution

- Lower price point than new switch
- Replace switches as needed, buy PoE once
- Eliminate the cost of installing AC power outlets
- Protect current infrastructure investment
- Simple plug & play installation, no configuration or pulling the network down
- Allow for a single UPS to support all end devices

Flexible

One to forty eight PoE ports, HiPower or Gigabit

HiPower range

Up to 39 watts of power

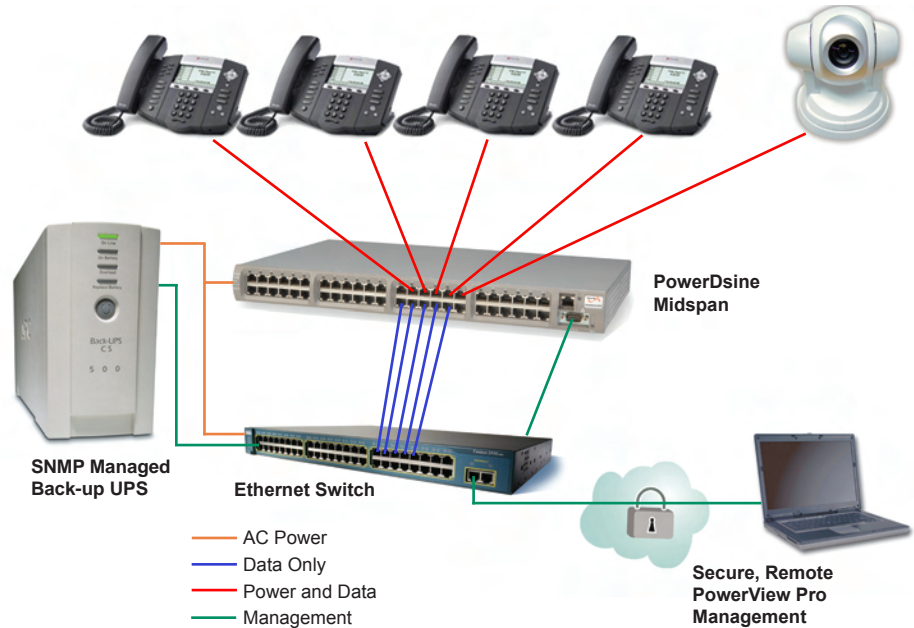
PowerView Pro: Exclusive Remote System Management

- Sophisticated management
- Safe remote management from anywhere, web or console access
- SNMP v3 platform
- Enhanced network operation with remote configuration, reboot and full power monitoring and control
- Centralized emergency UPS power to all connected devices

IEEE802.3af compliant

Life Time Warranty

Utility Box to support VoIP, WLAN, RFID/POS and IP Physical Security end devices—anything IEEE 802.3af compliant



PowerDsine – PoE Systems by Microsemi is an intelligent, multiport Power Over Ethernet midspan injector that will support Polycom IP phones. PowerDsine was the inventor and innovator of Power Over Ethernet technology and the technical force behind the IEEE 802.3af standard. PowerDsine continues to lead the way for generation II, HiPower PoE and the IEEE 802.3at standard. The midspan injector was the first system to market, to supply reliable, uninterrupted power to IP phones and other end devices using CAT 5, 5e or 6 LAN cable infrastructures.

The PowerDsine intelligent, multiport midspan injector will provide the Polycom IP phones appropriate power from the network backbone and work in conjunction with the existing switch infrastructure. The midspan injector is a simple layer one pass through device that easily daisy chains with the existing switch (one to one). The network does not need to be pulled down, nor the existing switch reconfigured. Once the midspan injector is daisy chained into the infrastructure, the RJ-45 cable out, will support both the data and the power to the end device. End devices may be positioned up to (IEEE standard) 100 meters or 330 feet. Only the appropriate amount of power, needed by the end device will be sent; this is evaluated by the end devices classification and the intelligence of 'dynamic power management' within the port. The PowerDsine PoE midspan injector is an approved network support device by Cisco, Nortel, Foundry and most other infrastructure partners.

The midspan injector is a versatile device and not only will support the Polycom telephony infrastructure, but also WLAN, RFID and IP Physical Security end devices that the Polycom engineer may need to design into the overall application. The PowerDsine midspan injector will support any IEEE 802.3af compliant device, as well as the new IEEE 802.11n technology. Complete management is provided via PowerView Pro giving the end user IT professional or the Polycom engineer full monitoring and control at the PoE port.



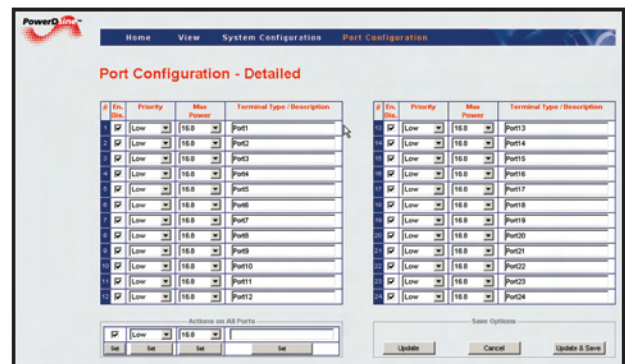
Next page: PowerView Pro

PowerView Pro™ Remote Management Capabilities

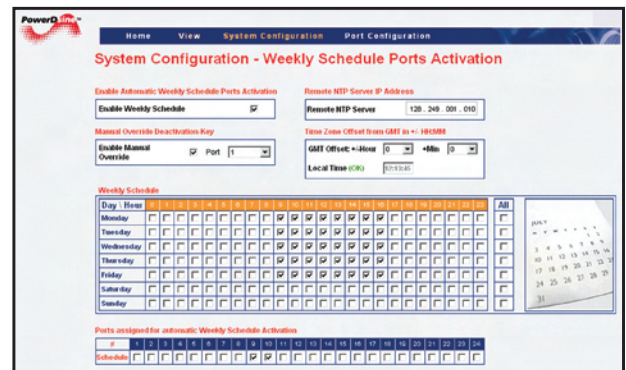
- Secure WEB (SSL/HTTPS), terminal (SSH), SNMP (SNMPv3) offers complete secured network management solution
- Detailed PoE power monitoring allows easy identification of devices which exceed normal power consumption
- Easy remote recovery of PoE devices by turning Off and On power to remote device
- Weekly/daily schedule automatic deactivation of PoE devices, such as Wireless Access points or IP Telephones during non-working hours, decrease the probability of hacking the company network or unauthorized toll calls and can be manually overridden
- Monitoring Uninterruptible Power Supplies (UPS) status and battery level together with PoE port priority extends the time UPS can provide power during power failure by automatically shutting down low priority PoE devices whenever the UPS battery level becomes low
- Integration with SNMP Network management stations provide easy monitoring of remote PoE devices
- SNMP Trap/Notification reports immediately to IT manager whenever new PoE device was connected to the company network or an existing device is removed
- RADIUS authentication simplify the maintenance for IT administrators
- RADIUS accounting allows easy logging of remote users
- Regular user & Administrator access privileges are differentiated and defined in configuration
- Software updates without temporary power shutdown of PoE devices such as IP telephones, and Access points offers easy maintenance during normal working hours
- Upload/download of configuration database simplify IT manager maintenance
- SysLog event reports provide human-readable event reports for those who prefer not to rely on SNMP reports



Port Configuration Enable/Disable. Each port may be individually enabled/disabled, or all ports may be enabled/disabled in one action.



Port Configuration Detailed Screen. Allows precise control of all ports: (1) Activate/shut down individual ports, (2) Allocate maximum power per port (except 80xx), (3) Set priority for each port, (4) Define port description and terminal type.



Dynamic UPS Management Screen. PoE ports can be given priority and power limits in anticipation of a power failure and reduced battery power levels. PowerView Pro will automatically shut down pre-defined ports when conditions warrant.

Technical and Sales Information

**PowerDsine Systems
Microsemi Corporation**

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Melville, New York 11747

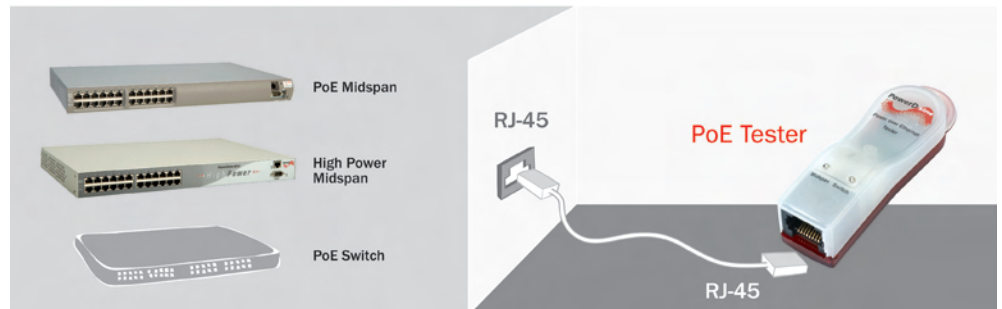
Ph: 631-756-4680

Fax: 631-756-4691

The Finishing Touch

PowerDsine has a unique and incredibly important tool for the Polycom installation engineer. The PowerDsine PoE Tester; the tester checks your RJ-45 network cable for power and identifies the source of power, either midspan injector or end span PoE switch. (The tester can detect an IEEE standard 802.3af compliant midspan injector or switch and Cisco pre-standard proprietary in-line switches.)

The benefit of having this tester at the site of a Polycom telephony installation is that the installation engineer does not have to return to the network closet to check for a green light each time a phone or other end device does not boot up. Before returning to the closet, the engineer can use the PoE tester to check and confirm power is running through the Ethernet cable to the end device.





PD-6500 Specifications

No. of Ports	6/12/24/48
Pass Through Data Rates	10/100 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: -48Vdc User Port Power: 15.4Watts min. Aggregate Power: up to 400Watts
Input Power Requirements	AC Input Voltage: 90 to 264 Vac AC Input Current: 100W 2A @ 110 Vac, 1A @ 220 Vac 200W 4A @ 110 Vac, 2A @ 220 Vac 400W 5.5A @ 110 Vac, 2.75A @ 220 Vac AC Frequency: 47 to 63 Hz
Dimensions	438 mm x 272 mm x 44 mm 17.3 in. x 10.8 in. x 1.75 in or 1U
Weight	8.8 lbs (4 kg)
Management	PowerView Pro included
Indicators	System 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 95%, Non-condensing Operating Altitude: -1000 to 10,000 ft. (-304.8 to 3048 m)
Reliability	MTBF: 100,000 hrs. @25°C
Thermal Rating	285 BTU/Hr (@240VAC)
Warranty	Limited lifetime
Regulatory Compliance	IEEE 802.3af (PoE), RoHS Compliant WEEE Compliant, CE
Electromagnetic Emission & Immunity	FCC Part 15, Class B with FTP cabling EN 55022 Class B (Emissions) EN 55024 (Immunity), VCCI
Safety Approvals	UL/cUL Per EN 60950 GS Mark Per EN 60950



PD-7000G Specifications

No. of Ports	6/12/24
Pass Through Data Rates	10/100/1000 Mbps
Power over Ethernet Output	Pin Assignment and Polarity: 4/5 (+), 7/8 (-) Output Power Voltage: 55Vdc Power Per Port: 32W Typ. Aggregate Power: 420Watts
Input Power Requirements	AC Input Voltage: 100 to 240 Vac AC Input Current: 5.5A @ 110 Vac; 2A @ 220 Vac AC Frequency: 50 to 60 Hz
Dimensions	438 mm x 272 mm x 44 mm 17.3 in. x 10.8 in. x 1.75 in or 1U
Weight	14.3 lbs (6.5 kg)
Management	PowerView Pro included
Indicators	System Indicator: AC Power (Green) User Indicator: Channel Power (Green/Orange)
Connectors	PoE ports and management port: Shielded RJ-45, EIA 568A and 568B Console Port: DB-9, Male
Environmental Conditions	Operating Ambient Temperature: 32° to 104°F (0 to 40°C) Operating Humidity: 10% to 90%, Non-condensing Storage Temperature: -4° to 158°F (-20° to 70°C) Storage Humidity: 5% to 95%, Non-condensing Operating Altitude: -1000 to 10,000 ft. (-304.8 to 3048 m)
Warranty	Limited lifetime (see Terms and Conditions)
Regulatory Compliance	RoHS Compliant, VCCI, CE, C-Tick
Electromagnetic Emission & Immunity	FCC Part 15, Class B with FTP cabling EN 55022 Class B (Emissions) EN 55024 (Immunity), VCCI
Safety Approvals	UL/cUL Per EN 60950 GS Mark Per EN 60950

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