

Single & Multiport Midspans

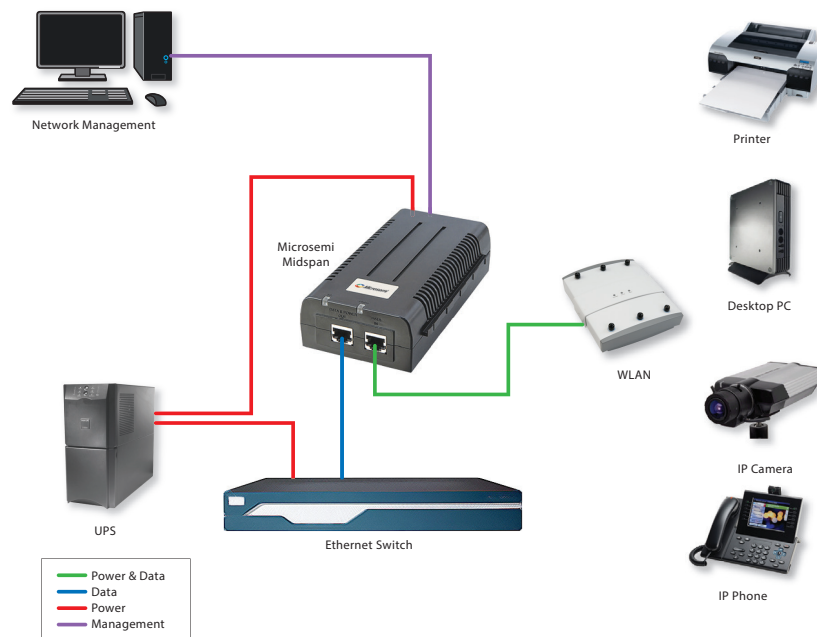
AC and DC Power Input

Accessories

Splitters & Adapters

Management Software

How will you power that?



Microsemi single and multiport midspans are an economical and easy way to power popular devices such as WLAN access points, IP video phones, IP security cameras, security access devices, thin clients and printers over new or existing Ethernet infrastructure.

Microsemi PoE Midspans

Providing easy, low-cost power over new and existing Ethernet infrastructure

PoE Systems from Microsemi® enable delivery of up to 95 watts of scalable, energy efficient Power over Ethernet (PoE) to IP phones, WLAN access points, IP cameras, thin clients and other Ethernet devices using existing CAT-5 or better cabling. Microsemi midspans leverage Ethernet infrastructure to deliver PoE technology; eliminating the need to install separate AC power cabling, or replace existing Ethernet switches.

The exclusive PowerView Pro network management system (SNMPv3) allows remote management and reboot of end-terminals. Microsemi is a major source of the 802.3af and 802.3at and upcoming HDBaseT standards, and the leader in providing high power PoE business communication solutions.

Microsemi midspans now comply with the Power over HDBaseT (PoH) standard delivering up to 60W per port, while also being backwards compatible with IEEE802.3at type 1 and type 2 compliant products. The PoH standard includes options to deliver up to 95W per port.

Expanded Input Current Options

Several Microsemi midspans now provide a selection of input current options including 24VAC and 12, 24 or 48VDC. To identify specific models that offer voltage options, look for our AC/DC symbol. Unless noted, input current for Microsemi midspans is 100-240VAC.



Midspans for Indoor Installations

| Product | Description | Specifications |
|--|---|---|
|  | <p>PD-3501G Midspan</p> <p>This single port midspan offers a solution for security network and other low port density IP Terminal installations.</p> | <ul style="list-style-type: none"> • Provides 15.4W • IEEE802.3af compliant • 10/100/1000 Mbps data transfer rates • PoH type 1 |
|  | <p>PD-9001GR/AT Midspan</p> <p>This 30W single port midspan provides a high-power solution for remote powering of current and emerging high power applications including 802.11n access points, pan-tilt-zoom cameras, video-phones and WiMAX access points.</p> | <ul style="list-style-type: none"> • Provides 30W • 10/100/1000 Mbps data transfer rates • IEEE802.3at compliant • PoH type 1, PoE+ including 2-event, PoH type 2 |
|  | <p>PD-9001G-40 Midspan</p> <p>This 40W single port midspan provides a high-power solution for remote powering of current and emerging high power applications including 802.11 access points, pan-tilt-zoom cameras, video-phones and WiMAX access points.</p> | <ul style="list-style-type: none"> • Provides 40W • 10/100/1000 Mbps data transfer rates • IEEE802.3at compliant • PoH type 1, PoE+ including 2-event, PoH type 2 |
|  <p>Models for AC or DC Input</p> | <p>PD-9501GR/AC : 60W</p> <p>This 60W single port, high power midspan enables remote powering of current and emerging high power applications including remote distance wireless IEEE802.11n access points, pan-tilt-zoom cameras, video-phones, access control, thin clients and POS.</p> | <ul style="list-style-type: none"> • PD-9501GR/AC: 60W • PD-9501G/24VAC: 60W • PD-9501G/24VDC: 60W • PD-9501G/48VDC: 60W • 10/100/1000 Mbps data transfer rates • IEEE802.3at compliant • PoH type 1, PoE+ including 2-event, PoH type 2 |

Midspans for Indoor Installations

| Product | Description | Specifications |
|---|--|--|
|  | <p>PD-9601G Midspan</p> <p>This 95W single port, high power midspan is designed to power wireless and cellular base stations, pan-tilt-zoom and dome cameras, physical access control with door locks, televisions and interactive displays, point-of-sale and information kiosks, thin clients and other high power end terminals. "SP" model includes surge protection.</p> | <ul style="list-style-type: none"> • Provides up to 95W over 4-pairs • 10/100/1000 Mbps data transfer rates • PoH, IEEE802.3at and 802.3af compliant |
|  | <p>PD-3504G Midspan</p> <p>This 4 port midspan offers a solution for IP telephones, wireless LAN access points, security network cameras and IP terminals.</p> | <ul style="list-style-type: none"> • 4 ports • IEEE802.3af compliant • Provides 15.4W per port • 10/100/1000 Mbps data transfer rates • PoH type 1 |
|  | <p>PD-9004G Midspan</p> <p>This 4 port midspan offers a solution for IP telephones, wireless LAN access points, security network cameras and IP terminals.</p> | <ul style="list-style-type: none"> • 4 ports • IEEE802.3at compliant • Provides 30W per port • 10/100/1000 Mbps data transfer rates • PoH type 2 |
|  | <p>PD-5524G Midspan</p> <p>This high power, remote management enabled EEPoE midspan is designed specifically to power IEEE 802.11n and 802.3at access points, videophones, thin clients, POS systems and other end terminal that require up to 30W.</p> | <ul style="list-style-type: none"> • 24 ports • Provides 30W per port • EEPoE technology - reduces cable power loss by 50% • Midspan-midspan mutual backup • Remote power management • High power over 4-pairs • IEEE 802.3at compliant • PoH type 1, PoE+ including 2-event, PoH type 2 |

Midspans for Indoor Installations

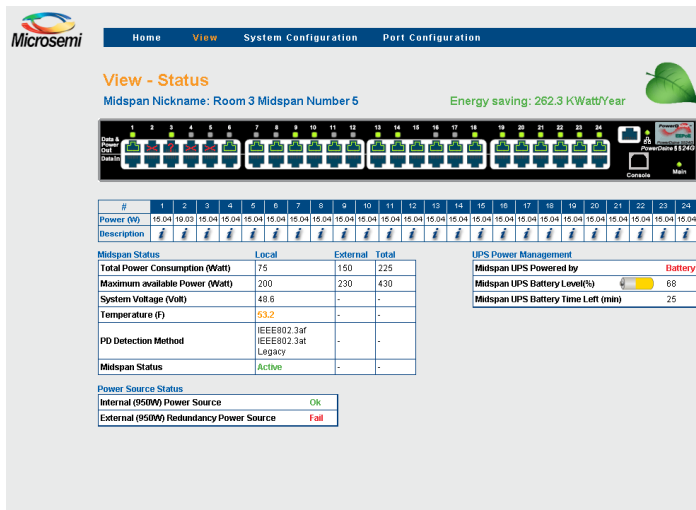
| Product | Description | Specifications |
|---|--|--|
|  | <p>PD-6500G Midspan</p> <p>The remote management enabled 6500G midspans allow IP telephones, wireless LAN access points, IP cameras and many other types of data terminals to receive power, along with data, over standard Ethernet cables, leaving network infrastructure completely unaltered.</p> | <ul style="list-style-type: none"> • 6/12/24 ports • Remote power management • Provides 15.4W per port • 10/100/1000 Mbps data transfer rates • IEEE802.3af compliant • PoH type 1 |
|  | <p>PD-9000G Midspan</p> <p>The high power, remote management enabled 9000G midspans are designed specifically to power IEEE802.11n and 802.3at access points, pan-tilt-zoom and dome network cameras, video phones, thin clients, POS systems and other end terminals.</p> | <ul style="list-style-type: none"> • 6/12/24 ports • Provides 36W per port • 10/100/1000 Mbps data transfer rates • IEEE802.3at compliant • Remote power management • PoH type 1, PoE+ including 2-event, PoH type 2 |
|  | <p>PD-9500G Midspan</p> <p>The high power, remote management enabled power IEEE802.11n and 802.3at access points, pan-tilt-zoom and dome network cameras, video-phones, thin clients, POS systems and other end terminals.</p> | <ul style="list-style-type: none"> • 6/12/24 ports • Provides 60W per port • 10/100/1000 Mbps data transfer rates • IEEE802.3at compliant • Remote power management • High power over 4-pairs • PoH type 1, PoE+ including 2-event, PoH twin type 2 (4-pairs) |
|  | <p>PD-9600G Midspan</p> <p>The high power, remote management enabled power IEEE802.11n and 802.3ac access points, pan-tilt-zoom and dome network cameras, video-phones, thin clients, POS systems and other end terminals.</p> | <ul style="list-style-type: none"> • 6/12 ports • Provides 95W per port • 10/100/1000 Mbps data transfer rates • IEEE802.3at compliant • Remote power management • High power over 4-pairs • PoH type 1, PoE+ including 2-event, PoH twin type 2 (4-pairs) |

Midspans for Outdoor Installations

| Product | Specifications | |
|--|--|--|
|  <p>Models for  Input</p> | PD-9001GO & PD-9501GO <ul style="list-style-type: none"> • PD-9001GO: 30W • PD-9001GO/12-24VDC: 30W • PD-9501GO/120-240VAC: 60W • PD-9501GO/12-24VDC: 60W • PD-9501GO/48VDC: 60W • Outdoor midspan for outdoor devices • Outdoor rated: IP66 • Extended temperature range PD-9001GO: -40°C, +65°C PD-9501GO: -40°C, +50°C | |
|  | PD-9001G-40/SP & PD-9501G-SP <ul style="list-style-type: none"> • Indoor midspan for outdoor devices • PD-9001G-40/SP: Up to 40W PD-9501G-SP: Up to 60W • IEEE 802.3at compliant with 2-event classification • IEEE 802.3af backward compatible • Surge protection according to GR 1089 | <ul style="list-style-type: none"> • Fully IEEE802.3at standard compliant • Supports 10/100/1000 Mbps data rate • Plug 'n Play installation (installer does not have to open unit) • Supports both 802.3af and 802.3at powered devices • Includes integral surge protection • AC or DC power input |
|  <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <div style="text-align: center;">  Outdoor Security Camera </div> <div style="text-align: center;">  Outdoor WLAN AP </div> </div> | PDS-102GO Outdoor PoE Switch <ul style="list-style-type: none"> • 3 ports – 1 data input, 2 PoE outputs • Remotely managed – SNMP and web • Extends network reach by additional 100m • Outdoor rated: IP66 • Extended temperature range -40C, +65C for 802.3af • IEEE802.3at compliant, 30W per port | <ul style="list-style-type: none"> • Safe and reliable power to WLAN access points • Supports 10/100/1000 Base-T applications • Compact design with 1U height • Supports 10/100/1000 Mbps data rates • AC power input |

PowerView Pro Management

Highly secure Web-based/SNMP Remote Network Management System



- SNMPv3 and web-based management
- Supports both IPv4 and IPv6 addressing
- Comes standard in PD-6500, PD-9000 and PD-9500 families*
- Monitors statistics, usage, and availability
- Monitors battery life in UPS and manages flow to critical and non-critical devices
- Allows devices to be remotely rebooted
- Schedules on/off in periods of non-use as well as reboots to increase network efficiency and uptime

* Multiport devices only

Accessories

| Family | Product Number | Description |
|---|-----------------|---|
|  | PD-AFAT-Tester | The Power over Ethernet (PoE) Tester, connected to an RJ-45 outlet, tests the cabling infrastructure for the presence of power, either IEEE802.3af or IEEE802.3at (2-pairs 30W or 4-pairs 60W). The PoE Tester also identifies the existence and type of Power Sourcing Equipment (either Endspan* or Midspan) in your network. |
|  | PD-AS-601/5 | Power conversion from 48V to 5V output, 2 x DC jacks: round 3.4x1.35mm and 5.5 x 2.5mm |
|  | PD-AS-701/12 | Power conversion from 48V to 12V output, 2 pairs, for use with PD-9000G family |
| | PD-AS-701/18 | Power conversion from 48V to 18V output, 2 pairs, for use with PD-9000G family |
| | PD-AS-701/24 | Power conversion from 48V to 24V output, 2 pairs, for use with PD-9000G family |
| | PD-AS-951/12-24 | Power conversion from 48V to 12V or 24V DC output (user selectable), 4 pairs, for use with PD-9500G family |
| | PD-AS-951/18 | Power conversion from 48V to 12V, 18V or 24V DC output (user selectable), 4 pairs with open DC wires, for use with PD-9500G family |
|  | PD OUT/MBK | Outdoor mounting bracket |
|  | PD OUT/SP11 | Outdoor rated surge protection unit , 10KV |
|  | PD-PoE Extender | 1-port, extends PoE range by additional 100m, 802.af/802.at output power. Combine with PD-3504G or PD-9004G to effectively power edge-based Ethernet devices. |

Midspan Selection Guide

Indoor Midspans

| Watts per Port | Product Number | Number of Ports | Remotely Managed | Gigabit | Input | Other |
|----------------|-------------------|-----------------|------------------|---------|---------|-------------------|
| 15.4W | PD-3501G/AC | 1 | | X | AC | |
| 15.4W | PD-3504G/AC | 4 | | X | AC | |
| 15.4W | PD-6506G/AC/M | 6 | X | X | AC | |
| 15.4W | PD-6512G/AC/M | 12 | X | X | AC | |
| 15.4W | PD-6524G/AC/M/F | 24 | X | X | AC | 400W total power |
| 30W | PD-9001GR/AT/AC | 1 | | X | AC | |
| 30W | PD-9004G/AC | 4 | | X | AC | |
| 30W | PD-5524G/ACDC/M | 24 | X | X | AC & DC | 450W total power |
| 36W | PD-9006G/ACDC/M | 6 | X | X | AC & DC | |
| 36W | PD-9012G/ACDC/M | 12 | X | X | AC & DC | |
| 36W | PD-9024G/ACDC/M/F | 24 | X | X | AC & DC | 1000W total power |
| 40W | PD-9001G-40 | 1 | | x | AC | |
| 60W | PD-9501G/ACDC | 1 | | X | AC & DC | |
| 60W | PD-9506G/ACDC/M | 6 | X | X | AC & DC | |
| 60W | PD-9512G/ACDC/M | 12 | X | X | AC & DC | |
| 60W | PD-9524G/ACDC/M | 24 | X | X | AC & DC | |
| 95W | PD-9601G/AC | 1 | | X | AC | |
| 95W | PD-9606G/ACDC/M | 6 | X | X | AC & DC | |
| 95W | PD-9612G/ACDC/M | 12 | X | X | AC & DC | |

Midspans for Outdoor Installations

| | | | | | | |
|-----|-------------------|---|--|---|---------|--------------------|
| 30W | PD-9001GO | 1 | | X | AC & DC | Outdoor deployment |
| 40W | PD-9001G-40/SP/AC | 1 | | X | AC | Indoor deployment |
| 60W | PD-9501G-SP/AC | 1 | | X | AC | Indoor deployment |
| 60W | PD-9501GO/AC | 1 | | X | AC & DC | Outdoor deployment |

Hub

| | | | | | | |
|-----|-----------|---|---|---|----|--------------------|
| 30W | PDS-102GO | 2 | X | X | AC | Outdoor deployment |
|-----|-----------|---|---|---|----|--------------------|

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