

Supporting the IEEE 802.3af PoE standard, the iMcV-PSE-MidSpan power injector offers unparalleled installation flexibility and cost-savings.

## Features and Benefits

### The most cost-effective power injector solution available today

- Provides power to remote network devices
- Quality product Made in America
- Supports Class 1, 2, and 3 powered devices
- 6-year warranty

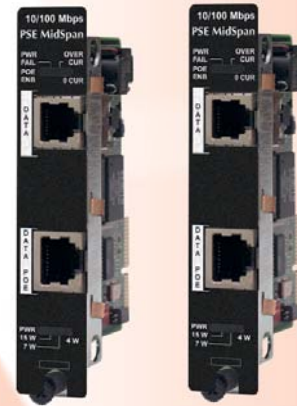
### Low Installation Cost

- Avoid separate power and data cable infrastructure and costly AC outlets.
- Simple installation means the IT department can do the job - no electrical permits required

### Compliant with IEEE 802.af (Power over Ethernet)

### Easy to install and configure

- Plug-and-Play provides quick and easy installation in the iMediaChassis
- Manage remotely with SNMP



Connecting and powering small devices at the edge of a wired network infrastructure becomes increasingly important to LANs/MANs as they add Wi-Fi access points, webcams, entry control systems, and other IP devices. Sometimes, the most optimal location for one of these devices is too far from an AC or DC power source. Spending a lot of money to rewire electric cabling isn't the alternative, nor is moving the location of the access point, or sacrificing it altogether.

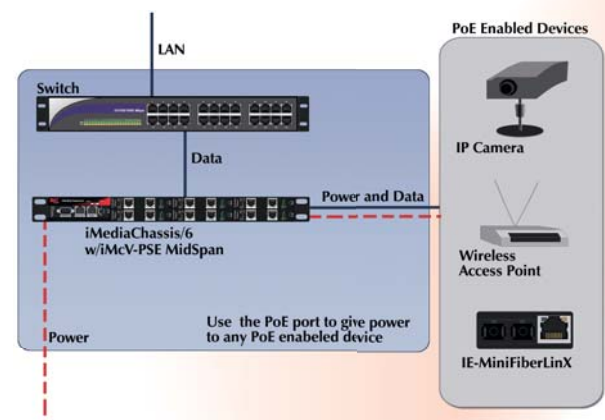
IMC Networks' iMcV-PSE-MidSpan provides an important and cost-effective solution. The PSE-MidSpan delivers data and power to Ethernet devices over a single Ethernet cable, using Power over Ethernet (PoE), compliant with IEEE 802.af. It removes the burden of needing a nearby power outlet and allows greater network flexibility.

The PSE-MidSpan's small size and easy to use current and power troubleshooting features make this a solution that is not only easy to use but easy to install in out of the way spaces. Configuration is also made easy, when installed in an IMC Networks managed chassis, with SNMP management. Most importantly, though, the PSE-MidSpan's transmission of power and data, up to 100 meters (328 feet) over standard Ethernet cabling, is achieved with virtually no reduction in throughput.

## Application Example

Power over Ethernet functionality allows network administrators to install the PSE-MidSpan up to 100 meters (328 feet) from such PoE devices as IP Cameras, Wireless Access Points, and even an IE-MiniFiberLinX CPE from IMC Networks. For instance, the best location for a a device may be on a utility pole outside or in the ceiling where there is no power outlet.

Using the PoE technology, the PSE-MidSpan becomes the Power Source Equipment (PSE) for the Powered Device (PD). This gives installers greater installation flexibility since the device no longer has to be in the immediate proximity of an outlet and/or Universal Power Supply (UPS).



MEDIA CONVERSION

# Power Over Ethernet Technology

Power Over Ethernet technology allows the PSE-MidSpan to provide power to remote locations by distributing an electrical current across existing copper data cabling. If the connected unit requires power and is 802.3af compliant, the PSE-MidSpan detects it and supplies power. LEDs on the PSE-MidSpan indicate the amount of power being supplied to the "Powered Device" (PD) as well as if the PSE-MidSpan is over temperature, over current or has an open circuit.

## Technical Specifications

- IEEE 802.3af PoE compliant, PSE Device
- Installs in the following IMC Networks chassis:
  - iMediaChassis/20
  - iMediaChassis/6
  - iMediaChassis/3
  - IE-MediaChassis/1
  - MediaChassis/1

NOTE: The PSE-MidSpan should NOT be installed in any other chassis.

- Connectors: RJ-45
- Small, rugged design
- Includes several diagnostic LEDs, including:
  - PoE Enabled - Power Fail
  - Zero Current - Power Indicator
  - Over Current - Three Power Level LEDs (4W, 7W and 15W)
- User-friendly, plug-and-play operation

### Regulatory Approvals:

- FCC Class A
- UL/cUL, CSA, CE

### Dimensions:

4.19" x 0.78" x 2.75" (10.6 cm x 1.98 cm x 6.99 cm)

### Shipping Weight:

0.7 lbs (.3 kg)

### Power:

Power Input (Maximum): 3.2A@5VDC  
PoE Output Power: 4, 7 or 15 watts

### Chassis Restrictions:

With no other modules installed, a 20-slot iMediaChassis should support up to 11 PSE-MidSpans (with AC power) or 9 PSE-MidSpans (with DC power). These modules should NOT be installed in any other chassis

### Environmental:

- Operating Temperature: +32° to +122° F (0° to +50° C)
- Storage Temperature: -4° to +160° F (-20° to +70° C)
- Humidity: 5% - 95% (non-condensing)

## Ordering Information

PART NUMBER	DESCRIPTION	DISTANCE
<b>10/100 Mbps Ethernet iMcV-PSE-MidSpan</b>		
857-14910	iMcV-PSE-MidSpan	100 m



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