

# Cisco Small Business Gigabit Power over Ethernet Injector

## Freedom to Install Access Points Anywhere

### Highlights

- Provides DC power to the Cisco® Small Business WAP321 Selectable-Band Wireless Access Point when Power over Ethernet cannot be used
- Includes peace-of-mind coverage with a 90-day hardware warranty

### Product Overview

The Cisco Small Business Gigabit Power over Ethernet Injector allows flexible installation of Cisco Small Business Wireless Access Points by providing an alternative to external DC power when deploying a Power over Ethernet (PoE) switch is not an option. Gigabit Ethernet ports provide high-speed connectivity to the LAN. By combining data and power over a single Cat5e or better cable, the injector can also be used to supply connectivity and power to other PoE endpoints such as IP phones and IP cameras.

### Features

- Delivers PoE connectivity to 802.3af-compliant endpoint devices
- Compatible with Cisco Small Business Wireless Access Points
- PoE allows wireless access points to be mounted on the wall or ceiling, or where external power is not easily accessible
- Gigabit LAN ports provide high-speed connectivity to the LAN and endpoint device
- Adds PoE capability to a non-PoE Ethernet switch or router
- Offers peace-of-mind coverage with optional Cisco Support Service and limited lifetime warranty

### Benefits

- **Easy to use:** The Cisco Small Business Gigabit Power over Ethernet Injector is easy to use; simply connect the injector to the PoE endpoint and to an Ethernet switch to provide midspan power.
- **Supports wireless LAN deployments:** The Cisco Small Business Gigabit Power over Ethernet Injector works with Cisco Small Business Wireless Access Points to provide wireless LAN connectivity for small to medium-sized businesses.
- **Enables network expansion:** Add PoE capabilities to non-PoE Ethernet switches to provide combined power and data over a single Cat5e or better connection.
- **Offers investment protection:** Protect the investment of your existing Ethernet equipment and cabling infrastructure by using this midspan PoE solution.
- **Provides peace of mind:** All Cisco Small Business networking products are protected for the life of the product by the Cisco limited lifetime hardware warranty.

- **Offers optional Cisco Small Business Support Service:** Optional service offers affordable, 3-year peace-of-mind coverage. This subscription-based, device-level service helps you protect your investment and derive maximum value from Cisco Small Business products. Delivered by Cisco and backed by a trusted partner, this comprehensive service includes software updates, extended access to the Cisco Small Business Support Center, and expedited hardware replacement, should it be required.

## Specifications

Table 1 lists the specifications, package contents, and minimum requirements for the Cisco Small Power over Ethernet Injector.

**Table 1.** Specifications for the Cisco Small Business Power over Ethernet Injector

Specifications	Description
Standards	IEEE 802.3af
Ports	Two 10/100/1000 Gigabit Ethernet ports: 1 data uplink, 1 power + data
Cabling type	Category 5e or better
LEDs	Channel Power (green)
<b>Physical Interfaces</b>	
Ethernet ports	Two 10/100/1000 Gigabit Ethernet ports: 1 LAN uplink, 1 PoE port
Input power	AC input voltage: 90–264 VAC AC input current: 0.5A @ 100–240 VAC AC frequency: 47–63 Hz
Output power	Output power voltage: 50 VDC Output power wattage: 15.4W
RJ-45 pin assignment and polarity	Power: Pins 4/5(+), 7/8(-)
<b>Physical Specifications</b>	
Physical dimensions (W x D x H)	2.09 x 5.5 1.28 in. or 53 x 140 x 32.5 mm
Weight	0.44 lb or 200 g
<b>Mounting and Physical Security</b>	
Mounting	Surface mountable
<b>Environmental</b>	
Power	AC input voltage: 90–264 VAC AC input current: 0.5A @ 100–240 VAC AC frequency: 47–63 Hz IEEE 802.3af-compliant PoE
Certifications	FCC Class B, CE, UL/cUL, RoHS
Operating temperature	0° to 40°C (32° to 104°F)
Storage temperature	–20° to 70°C (–4° to 158°F)
Operating humidity	10% to 85% noncondensing
Storage humidity	5% to 90% noncondensing
Reliability	MTBF: 100,000 hrs @ 25°C
Thermal Rating	13 BTU/hr @ 240 VAC
<b>Package Contents</b>	
<ul style="list-style-type: none"> <li>• Cisco Small Business Gigabit Power over Ethernet Injector</li> <li>• Power cord</li> <li>• Installation guide</li> <li>• Pointer card</li> </ul>	

Specifications	Description
<b>Minimum Requirements</b>	
<ul style="list-style-type: none"> <li>PoE endpoint device</li> <li>Ethernet switch for uplink connectivity</li> <li>2 Cat5e or better patch cables</li> <li>Wiring standards: EIA 568A and 568B</li> </ul>	
<b>Warranty</b>	
PoE Injector	Limited Lifetime

## Ordering Information

Part Number	Description
SB-PWR-INJ1-AU	Cisco Small Business Power over Ethernet Injector (Australia, New Zealand)
SB-PWR-INJ1-UK	Cisco Small Business Power over Ethernet Injector (United Kingdom)
SB-PWR-INJ1-NA	Cisco Small Business Power over Ethernet Injector (North America)
SB-PWR-INJ1-JP	Cisco Small Business Power over Ethernet Injector (Japan)
SB-PWR-INJ1-CN	Cisco Small Business Power over Ethernet Injector (China, Hong Kong)
SB-PWR-INJ1-EU	Cisco Small Business Power over Ethernet Injector (Europe)
SB-PWR-INJ1-IN	Cisco Small Business Power over Ethernet Injector (India)

## Cisco Limited Lifetime Warranty for Cisco Small Business Series Products

This Cisco Small Business product comes with a limited lifetime warranty for complete peace of mind. Product warranty terms and other information applicable to Cisco products are available at [www.cisco.com/go/warranty](http://www.cisco.com/go/warranty).

## For More Information

For more information on Cisco Small Business products and solutions, visit [www.cisco.com/smallbusiness](http://www.cisco.com/smallbusiness).



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