Cisco AIR-PWRINJ3 Datasheet

Cisco AIR-PWRINJ3 15W Aironet Power Injector for 1100, 1130AG, 1200 1230AG, 1240AG Series

AIR-PWRINJ3

Cisco AIR-PWRINJ3 15W Aironet Power Injector for 1100, 1130AG, 1200 1230AG, 1240AG Series

The Cisco Aironet Power Injector products increase wireless LAN deployment flexibility of Cisco Aironet Access Points and Bridges by providing an alternative powering option to local power, inline power-capable multiport switches, and multiport power patch panels.

The single-port Cisco Aironet Power Injector combines 48-VDC power (supplied by the external power supply) with the data signal, sending both to the Cisco Aironet Access Point or Bridge.

The Cisco Aironet Power Injector Media Converter converts fiber media signals to Category 5 Ethernet media and combines the data signal with power for delivery to the access point or bridge. The power injector accepts 48-VDC power from either the barrel connector of the local power supply or an alternative 48-VDC power source.

The power injectors provide up to 15 W (depending on the Cisco power supply model) over the unused wire pairs of a Category 5 Ethernet cable, supplying enough power for a distance of 328 ft. (100 m) on the Cisco Aironet 350, 1100, 1200 Series Access Points and the Cisco Aironet 350 Series Bridges.

This guide covers the following Cisco Aironet Power Injectors:

- Cisco Aironet Power Injector Media Converter (AIR-PWRINJ-FIB)

- Cisco Aironet Power Injector (AIR-PWRINJ3)

- Cisco Aironet Power Injector Media Converter

The Cisco Aironet Power Injector Media Converter provides both power and data to a connected Cisco Aironet Access Point. The device provides the following functions:

- Converts fiber media to Category 5 Ethernet media

- Uses the unused wires in an Ethernet cable to supply inline 48-VDC power to the access point

The power injector media converter is ideal for incorporating an access point into a fiber-optic network and can be used with 350, 1100, and 1200 series access points and 350 series bridges.

The power injector media converter receives data over the fiber-optic network through its MT-RJ fiber connector. The fiber-optic data signals are converted to Ethernet data signals and sent to the access point through the injector's Category 5 RJ-45 port. A Category 5 Ethernet cable connects the injector to the access point. The injector's power supply connects to a wall outlet or power strip to supply the power. An alternate 48-VDC power source can be used instead of the power supply. The power injector media converter can be mounted on most horizontal and vertical surfaces. To avoid overheating and possible failure, do not stack or tie together (bundle) the power injector and its AC power adapter.

The Cisco Aironet Power Injector provides both power and data to a connected access point or bridge. The device serves the following functions:

- It provides Category 5 Ethernet media to the access point or bridge.

- It uses the unused wires in an Ethernet cable to supply inline 48-VDC power to an access point or bridge.

The power injector provides an easy and economical way to provide data and power to an access point or bridge located in areas where power is not available. The power injector is used with the following Cisco Aironet wireless products:

- 350 series access points and bridges

- 1100 series access points

- 1200 series access points

A Category 5 Ethernet cable connects the power injector to a 10/100 Ethernet switch, hub, or network, and another cable carries power and data to the access point's or bridge's Ethernet port. The power injector's power supply connects to a wall outlet or power strip. The power injector can be mounted on most horizontal and vertical surfaces. To avoid overheating and possible failure, do not stack or tie together (bundle) the power injector and its AC power adapter.

The following items are shipped with both models of the power injector:

- Category 5 Ethernet cable

- This installation guide

- Electrical tie-wrap with screw mount hole, wall anchor, and screw

If any item is missing or damaged, contact your Cisco representative or reseller.

Specifications

Specification	Power Injector (AIR-PWRINJ-FIB)	Power Injector (AIR-PWRINJ-BLR)
Electrical	Input voltage: 48 VDC, 15W	
Connectors	1 RJ-45 (10/100 Ethernet)	2 RJ-45 (Cat 5 Ethernet)
Wire pairs used	Pins 1, 2, 3, and 6 on the connector port; carries power and signal over Category 5	
Dimensions	5.4 in. x 2.1 in. x 1.3 in. (13.7 cm x 5.3 cm x 3.3 cm)	

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