

Cisco AIR-PWRINJ7=

Multigigabit 802.3bt (PoE++) Power Injector Data Sheet

POWER & ACCESSORIES

Product Overview

The Cisco AIR-PWRINJ7= is a high-power, single-port IEEE 802.3bt (PoE++) Multigigabit Power Injector. It delivers up to 50 Watts of inline power alongside ultra-fast 5 Gbps Ethernet connectivity to power next-generation Wi-Fi 6E and Wi-Fi 7 Cisco Catalyst Access Points.

KEY PERFORMANCE HIGHLIGHTS

50 Watts

MAX POWER OUTPUT

IEEE 802.3bt

POE++ STANDARD COMPLIANT

5 Gbps mGig

MULTIGIGABIT ETHERNET DATA RATE

100 Meters

MAX CABLE DISTANCE (328 FT)

TECHNICAL & ELECTRICAL SPECIFICATIONS

Parameter	Specification Details
Ethernet Interface Rates	10/100/1000/2500/5000 Mbps (1G / 2.5G / 5G mGig autosensing)
Input AC Voltage	100 to 240 VAC (50/60 Hz, range 90-264 VAC)
Input Current	2.0A Maximum
Output Power Voltage	56V DC Nominal (54V - 57V DC)
Output Power Wattage	Up to 50W (IEEE 802.3bt)
Ethernet Connectors	1x RJ-45 Data Input, 1x RJ-45 Data + Power Output
AC Power Socket	IEC C14 Power Connector
Status Indicators	Dual LEDs for AC Input Power and PoE Output Status

PHYSICAL & ENVIRONMENTAL CHARACTERISTICS

Specification	Detail
Dimensions (W x L x H)	2.6 in x 5.5 in x 1.5 in (65 mm x 140 mm x 38.5 mm)
Weight	0.5 lbs (226.8 g)
Operating Temperature	14°F to 104°F (-10°C to 40°C)
Storage Temperature	-13°F to 149°F (-25°C to 65°C)
Operating Humidity	5% to 95% non-condensing

TARGET ACCESS POINT COMPATIBILITY