

PBE-525ACISO

Ubiquiti PowerBeam 5AC Isolator Gen2 5GHz 25 dBi RF Isolated Reflector CPE

Product Overview

Ubiquiti PowerBeam 5AC Isolator Gen2 5GHz 25 dBi RF Isolated Reflector CPE, 1x 10/100/1000 Gigabit Ethernet Port, 5 GHz Frequency, 450+ Mbps Throughput, 25+ km range, PBE-5AC-ISO-Gen2



Specifications

Overview:

Ubiquiti Networks launches the latest generation of airMAX CPE (Customer Premises Equipment), the PowerBeam 5AC Gen 2, with dedicated Wi-Fi management.

Improved Noise Immunity

The PowerBeam 5AC Gen 2 directs RF energy in a tighter beamwidth. With the focus in one direction, the PowerBeam 5AC Gen 2 blocks or spatially filters out noise, so noise immunity is improved. This feature is especially important in an area crowded with other RF signals of the same or similar frequency.

Integrated Design

Ubiquiti's InnerFeed technology integrates the radio into the feedhorn of an antenna, so there is no need for a cable. This improves performance because it eliminates cable losses.

Featuring high performance and innovative design, the PowerBeam 5AC Gen 2 is versatile and cost-effective to deploy.

Features:

5 GHz airMAX ac Bridge with RF Isolated Reflector

Incorporating advanced engineering with proprietary airMAX ac technology, the PowerBeam ac ISO is ideal for deployments requiring maximum performance and RF isolation.

Models: PBE-5AC-400-ISO, PBE-5AC-500-ISO, PBE-5AC-ISO-Gen2

Performance Breakthrough

airMAX ac products offer improved latency, noise immunity, scalability and significantly increased throughput performance.

Innovative Mechanical Design

The integrated isolator design improves RF isolation to spatially filter out interference, and the metal-plated interior of the rear housing enhances RF shielding.

Superior RF Isolation

Compare the two near-field plots, and note the superior performance of the integrated RF isolator. Both near-field plots are displayed in watts and use a linear scale.

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Product Specification Sheet

Superior Processing

Ubiquiti's airMAX engine with custom IC dramatically improves TDMA latency and network scalability. The custom silicon provides hardware acceleration capabilities to the airMAX scheduler, to support the high data rates and dense modulation used in airMAX ac technology.

Advanced Software Technology

Ubiquiti's airMAX technology is proven in millions of deployments worldwide, exhibiting outstanding performance in outdoor environments. The TDMA airMAX protocol enables unprecedented scalability, high throughput and low latency in unlicensed, multipoint networks.

Specifications:

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Specifications

Product Code	PBE-525ACISO
Dimensions	459 x 459 x 261 mm (18.07 x 18.07 x 10.28")
Weight (Mount Included)	7.10 lbs
Power Supply	24V, 0.5A Gigabit PoE Adapter (Included)
Power Method	Passive PoE (Pairs 4, 5+, 7, 8 Return)
Supported Voltage Range	20 - 26VDC
Gain	25 dBi
Networking Interface	(1) 10/100/1000 Ethernet Port
Process Specs	MIPS 74Kc
Memory	64 MB
LEDs	Power, Ethernet, (4) Signal Strength
Channel Sizes	PtP Mode: 10/20/30/40/50/60/80 MHz
Channel Size	PtMP Mode: 10/20/30/40 MHz
Mounting	Pole-Mounting Kit (Included)
Wind Loading	559 N @ 200 km/h (125.7 lbf @ 125 mph)
Wind Survitability	200 km/h (125 mph)
ESD/EMP Protection	Air: +/- 24 kV, Contact: +/- 24 kV
Operating Temperature	-40 to 70 degrees C (-40 to 158 degrees F)
Operating Humidity	5 to 95% Noncondensing
RoHS Compliance	Yes
Salt Fog Test	IEC 68-2-11 (ASTM B117), Equivalent: MIL-STD-810 G Method 509.5
Vibration Test	IEC 68-2-6
Temperature Shock Test	IEC 68-2-14
UV Test	IEC 68-2-5 at 40 degrees C (104 degrees F), Equivalent: ETS 300 019-1-4
Wind-Driven Rain Test	ETS 300 019-1-4, Equivalent: MIL-STD-810 G Method 506.5

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Product Specification Sheet

Certifications	CE, FCC, IC
Management Radio (MHz)	2412 - 2462
Max. Power Consumption	8.5 W
Operating Frequency	Worldwide 5150 - 5875MHz

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:

<https://www.comx-computers.co.za/PBE-525ACISO-Ubiquiti-PowerBeam-5AC-Isolator-Gen2-5GHz-Buy-p-198811.php>

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