



PowerBeam AC 5GHz airMAX Bridge

PBE-5AC-620-US

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High-Performance airMAX® ac Bridge Incorporating a dish reflector design with proprietary airMAX® ac technology, the PowerBeam™ ac is ideal for CPE deployments requiring maximum performance. The PowerBeam ac directs RF energy in a tighter beamwidth. With the focus in one direction, the PowerBeam ac 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.

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 mechanical design, the PowerBeam ac is versatile and cost-effective to deploy.

Features:

- Highly Efficient Antenna Beam Performance
- Custom Ubiquiti® airMAX® ac Processor
- Up to 450+ Mbps Real TCP/IP Throughput
- Innovative Snap and Lock Assembly
- Proprietary InnerFeed™ Technology
- 5 GHz

Dimensions	620 x 620 x 386 mm (24.41 x 24.41 x 15.2")
Weight	6.4 kg (14.11 lbs)
Power Supply	24V, 0.5A Gigabit PoE
Max. Power Consumption	8.5W
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)
Supported Voltage Range	20-26VDC
Operating Frequency MHz Worldwide	5150 - 5875 U-NII-1: 5150 - 5250 U-NII-2A: 5250 - 5350
USA	U-NII-2C: 5470 - 5725 U-NII-3: 5725 - 5850
Gain	29 dBi
Networking Interface	(1) 10/100/1000 Ethernet Port
Processor Specs	Atheros MIPS 74Kc, 720 MHz
Memory	128 MB DDR2, 16 MB Flash
LEDs	(1) Power, (1) LAN, (4) WLAN
Signal Strength LEDs	Software-Adjustable to Correspond to Custom RSSI Levels
Max. VSWR	1.6:1
Channel Sizes	PtP Mode: 10/20/30/40/50/60/80 MHz PtMP Mode: 10/20/30/40 MHz
Polarization	Dual Linear
Enclosure	Outdoor UV Stabilized Plastic

Mounting	Pole-Mount (Kit Included)
Wind Loading	Radome Excluded: 1510 N @ 200 km/h (340 lbf @ 125 mph) Radome Included: 1830 N @ 200 km/h (411 lbf @ 125 mph)
Wind Survivability	200 km/h (125 mph)
ESD/EMP Protection	Air: ± 24 kV, Contact: ± 24 kV
Operating Temperature	-40 to 70° C (-40 to 158° F)
Operating Humidity	5 to 95% Noncondensing
Wireless Approvals	FCC, IC, CE
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° C (104° F), Equivalent: ETS 300 019-1-4
Wind-Driven Rain Test	ETS 300 019-1-4, Equivalent: MIL-STD-810 G Method 506.5