

Item no.: PBE-M5-620

## PBE-M5-620 - PowerBeam 150+ Mbps, 29 dBi

**156,90 EUR**

Item no.: PBE-M5-620  
shipping weight: 10.60 kg  
Manufacturer: Ubiquiti



### Product Description

PowerBeam PBE-M5-620, 150+ Mbps, 29 dBi

Starting with the first-generation NanoBridge, pioneered the all-in-one design for an airMAX product functioning as a CPE (Customer Premises Equipment). Now launches the latest generation of CPE, the PowerBeam(TM). Improved Noise Immunity

The PowerBeam directs RF energy in a tighter beamwidth. With the focus in one direction, the PowerBeam 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

s InnerFeed(TM) 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. Providing high performance and innovative mechanical design at a low cost, the PowerBeam is extremely versatile and cost-effective to deploy. airMAX Technology Included

Unlike standard Wi-Fi protocol, s Time Division Multiple Access (TDMA) airMAX protocol allows each client to send and receive data using pre-designated time slots scheduled by an intelligent AP controller.

This time slot method eliminates hidden node collisions and maximizes airtime efficiency. It provides significant performance improvements in latency, throughput, and scalability compared to all other outdoor systems in its class. Intelligent QoS

Priority is given to voice/video for seamless streaming. Scalability

High capacity and scalability. Long Distance

Capable of high - speed, carrier-class links. Innovative Mechanical Design

- Built-in mechanical tilt: The mounting bracket conveniently offers 20° of uptilt and up to 20° of downtilt.
- Quick assembly: The number of fasteners was reduced to simplify assembly. Tools are required only when the technician mounts the PowerBeam on the pole.
- Easy removal: The antenna feed can be detached with the push of a button.

Corrosion Resistance

- Fasteners: GEOMET-coated for improved corrosion resistance when compared with zinc-plated fasteners.
- Dish and brackets: Made of galvanized steel that is powder-coated for superior corrosion resistance. The redesigned pole bracket for the 400 mm dish and fender washers for the 300 mm dish prevent paint from being removed from the metal brackets for improved corrosion resistance.
- Dimensions: 620 x 620 x 386 mm (24.41 x 24.41 x 15.2")
- Weight: 6.4 kg (14.11 lb)
- Power supply: 24 V, 0.5 A Gigabit PoE
- Power method: Passive PoE (pairs 4, 5+; 7, 8 return)
- Max. power consumption: 8.5 W
- Gain: 29 dBi
- Operating frequency: Worldwide -> 5170 - 5875 MHz; USA -> 5725 - 5850 MHz
- Wind loading: 872 N (at) 200 km/h (196 lbf (at) 125 mph)
- Wind survivability: 200 km/h (125 mph)
- LEDs: (1) Power, (1) LAN, (4) WLAN
- Signal strength LEDs: Software-adjustable to correspond to custom RSSI levels
- Channel sizes: 5/8/10/20/30/40 MHz
- Polarization: Dual linear
- Enclosure: Outdoor UV stabilized plastic
- Mounting: Pole-mount kit included
- ESD/EMP protection: Air: +/- 24 kV, contact: +/- 24 kV
- Operating temperature: -40°C to 70°C (-40°F to 158°F)
- Operating humidity: 5 to 95% non-condensing
- 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

## Specifications

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