

Tri-band Wi-Fi Sealed Omnidirectional Antenna

Wi-Fi/Bluetooth/BLE Antenna – Base Station

MHOTB Antennas



Description


High-performance, tri-band base station antenna designed for broadband access.

Technologies

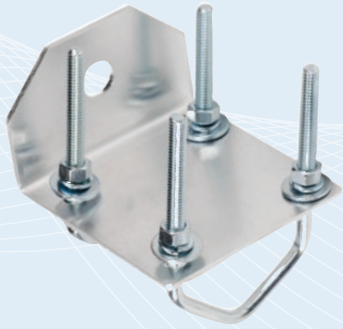
- Wi-Fi
- Bluetooth/BLE

Features

- Tri-band coverage
- Innovative design for harsh environments
- Rugged, UV-resistant fiberglass housing
- Easy to install



MHOTB Series



BAM1009 mount

Tri-band Wi-Fi Sealed Omnidirectional Antenna

Wi-Fi/Bluetooth/BLE Antenna – Base Station

The MHOTB high-performance omnidirectional antenna series is designed to cover frequencies from 2.4-2.5 GHz and 4.94-7.125 GHz for broadband access applications. With its integral N Female and N Male connector options at the base, this antenna can be directly mounted on the radio equipment.

Features

- Slender, rugged housing (1.25" OD)
- Innovative sealed version for harsh environments
- White UV-resistant radome; protects the antenna elements from environmental factors

Certifications



Tri-band Wi-Fi Sealed Omnidirectional Antenna

Wi-Fi/Bluetooth/BLE Antenna – Base Station

Standard Configuration

Model	Connector	Mount
MHOTBNF	N Female bulkhead	BAM-1009 base station aluminum mount kit for masts up to 2.4 inches in diameter sold separately. (For N male antennas, purchase mating N female bulkhead cable assembly separately)
MHOTBNM	N Male	

Electrical Specifications - RF Antenna

Frequency Range (GHz)	Peak Gain (dBi)	VSWR	Azimuth Half Power Beamwidth	Average Power (watts)	Nominal Impedance (ohms)	Polarization
2.4 - 2.5 GHz 4.94 - 7.125 GHz	5 dBi / 7 dBi	< 2.0 / < 2.5	360°	25	50	Vertical, linear

Mechanical and Environmental Specifications

Specification	MHOTBNF	MHOTBNM
Dimensions	1.25 OD x 10.52 H in (3.18 x 26.72 cm)	1.25 OD x 10.29 H in (3.18 x 26.14 cm)
Weight	0.45 lbs (.20 kg)	0.35 lbs (.16 kg)
Housing material	White UV-stable ASA	
Rated wind	125 mph (201.168 kph)	
Temperature range	-40°F to +185°F (-40°C to +85°C)	
Ingress protection	IP67	

CONTACT US

**For more information about
this product contact your
sales representative or visit
> pctel.com/antenna-products**

Solving Complex Wireless Challenges

PCTEL is a leading global provider of wireless technology solutions, including purpose-built Industrial IoT devices, antenna systems, and test and measurement products. Trusted by our customers for 29 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



PCTEL, Inc.

T: +1 630 372 6800 | pctel.com

Specifications subject to change without notice. PCTEL® is a registered trademark of PCTEL, Inc. ©2023 PCTEL, Inc. All rights reserved. (June 2023)