

Direct Mount Multiband Antenna for 5G FR1 Devices

Cellular (5G, 4G LTE, CBRS, 3G, 2G) Antenna – Omnidirectional

MPAMB6



Description

Portable multiband 5G NR (FR1) omnidirectional antenna for indoor IIoT and Enterprise wireless applications.

Technologies

- 5G NR (FR1), 4G LTE, CBRS, 3G, 2G

Features

- Multiband performance
- Ground plane independent design
- Rugged UV stable plastic housing
- Articulating knuckle provides 0°-90° pivot and 360° swivel movement, allowing vertical orientation of the antenna, regardless of the position of the wireless device



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The MPAMB6 multiband antenna supports the operation of leading routers and access point devices operating in the 5G FR1 spectrum for Industrial IoT (IIoT) and Enterprise wireless networks. It supports the major carrier operating frequencies ranging from 618 MHz to 6 GHz. The antenna features a slim “blade” style housing, and 0-90° articulating knuckle for direction orientation adjustments.

Features

- Multiband performance covering 618 MHz to 6 GHz 5G FR1 frequencies.
- Ground plane independent design provides added installation flexibility.
- Rugged UV stable plastic housing provides added durability for use in demanding wireless environments.
- Articulating knuckle provides 0°-90° pivot and 360 degree swivel movement allowing vertical orientation of the antenna, regardless of the orientation or position of the wireless device.

Certifications



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Standard Configurations

Specification

Model	MPAMB6
Connector	SMA Plug (Male)
Mount	Direct Mount

Electrical Specifications – RF Antenna*

Model	Frequency Range	Gain (Typical)	Efficiency	VSWR	Polarization	Nominal Impedance
MPAMB6	617 - 960 MHz	2 dBi	50% min	< 2.75:1	Vertical, Linear	50 ohms
	1.71 - 2.7 GHz	3 dBi	60% min	< 2.5:1		
	3.4 - 3.8 GHz	4 dBi	50% min	< 2.5:1		
	4.9 - 5.95 GHz	4 dBi	30% min	< 2.75:1		

Mechanical and Environmental Specifications

Model MPAMB6

Dimensions (L x W x D)	8.78" x 1.18" x 0.79" in (223 x 30 x 20 mm)
Weight	0.138 lbs (2.2 oz)
Housing Material	ABS (UV-stabilized)
Temperature Range	-40°C to +75°C

* Measured at free space on a typical chassis of size 7.6" D x 4.4" W x 1.55" H

CONTACT US

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this product contact your
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Solving Complex Wireless Challenges

PCTEL is a leading global provider of wireless technology, including purpose-built Industrial IoT devices, antenna systems, and test and measurement solutions. Trusted by our customers for over 25 years, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



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