

Very Low Profile Access Point Antenna for Broadband Wireless

Wi-Fi Antennas – Omnidirectional

PCTMI2458-RPSMA



Description

Very low profile omnidirectional antenna for indoor or outdoor applications

Technologies

- Wi-Fi
- Wi-Fi 6

Features

- Versatile — operates at 4 GHz and 5 GHz frequencies
- Rugged — UL94 V0 plastic housing
- Compact profile — No more than 1-1/2" inches long including the connector; built directly on an RP-TNC or RP-SMA plug connector



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PCTEL's very low-profile antenna is optimized for operation with Reverse Polarity TNC and SMA compatible broadband wireless MIMO (802.11n) access points operating at 2.4 GHz and/or 5 GHz frequencies. Its rugged, UV-resistant housing makes it suitable for use in a wide variety of indoor applications, including office LAN environments, factory floors, and retail establishments.

Features

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- Rugged — UL94 V0 plastic housing
- Compact profile — No more than 1-1/2" inches long including the connector; built directly on an RP-TNC or RP-SMA plug connector

Applications

Wide variety of Industrial IoT applications, including:

- Office LAN environments
- Factory floors
- Indoor or outdoor Wi-Fi networks

Certifications



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Standard Configurations

Model Number	Connector Type	Mount
PCTMI2458-RPSMA	Reverse Polarity SMA Male Inside Thread/Center Receptacle	Direct Access Point Mount

Electrical Specifications – RF Antennas

Frequency Ranges	2.400-2.500 GHz	5.150-5.925 GHz
Gain	2.2 dBi	4.0 dBi
VSWR	< 2.0:1	
Azimuth Half Power Beamwidth	360°	
Elevation Half Power Beamwidth	45°	35°
Average Power	10 watts	
Nominal Impedance	50 ohms	
Polarization	Vertical, linear	

Mechanical and Environmental Specifications

Dimensions	1.7 L x 0.75 OD in (4.3 L x 1.9 cm)
Housing Material	PC
Temperature Range	0°C to +55°C

CONTACT US

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

Solving Complex Wireless Challenges

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



PCTEL, Inc.

T: +1 630 372 6800 | pctel.com

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