



Low-Profile Access Point Antennas for Broadband Wireless

PCTEL's very low-profile antennas are 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. Their rugged, UV-resistant housing makes them suitable for use in a wide variety of indoor applications, including office LAN environments, factory floors, and retail establishments.

Features

- Omnidirectional antenna for indoor operation
- Outstanding performance in a very low-profile housing
- White UL94 V0 plastic housing
- Built directly on an RP-TNC or RP-SMA plug connector
- No more than 1-1/2" long including the connector



PCTMI 2.4 GHz & 5 GHz Antennas

STANDARD CONFIGURATION

Model	Connector	Mount
PCTMI24-RPC	Reverse Polarity TNC Male	Direct Access Point Mount (all models)
PCTMI58-RPC	Reverse Polarity TNC Male	
PCTMI24-RPSMA	Reverse Polarity SMA Male Inside Thread/Center Receptacle	
PCTMI58-RPSMA	Reverse Polarity SMA Male Inside Thread/Center Receptacle	
PCTMI2458-RPSMA	Reverse Polarity SMA Male Inside Thread/Center Receptacle	

ELECTRICAL SPECIFICATIONS - RF ANTENNA

Model	Frequency Range	Gain	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth	Average Power	Nominal Impedance	Polarization
PCTMI24-RPC	2.400-2.484 GHz	2.2 dBi	< 2.0:1	360°	45°	10 watts	50 ohms	Vertical, linear
PCTMI58-RPC	5.150-5.850 GHz	4.0 dBi	< 2.0:1	360°	40°	10 watts	50 ohms	Vertical, linear
PCTMI24-RPSMA	2.400-2.500 GHz	2.2 dBi	< 2.0:1	360°	45°	10 watts	50 ohms	Vertical, linear
PCTMI58-RPSMA	5.150-5.850 GHz	4.0 dBi	< 2.0:1	360°	45°	10 watts	50 ohms	Vertical, linear
PCTMI2458-RPSMA	2.400-2.500 GHz, 5.150-5.925 GHz	2.2 dBi, 4.0 dBi	< 2.0:1	360°	45°, 35°	10 watts	50 ohms	Vertical, linear

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

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