



## Dual-Band, Four-Port, 802.11n MIMO Directional Antenna

PCTEL's MPMI24580406-RPC dual-band, 802.11n MIMO antenna provides four-port diversity coverage of 2.4-2.5 GHz Wi-Fi and 4.9-5.9 GHz broadband wireless frequencies in an attractive, compact package. It is designed for indoor installations requiring an unobtrusive, high performance antenna.

### Features

- Multi-band coverage of 2.4-2.5 GHz ISM and 4.9-5.9 GHz broadband wireless frequencies
- Four dual-band 2.4/5 GHz integrated elements terminated with high performance, low loss cable, and Reverse Polarity Male TNC connectors
- Attractive low-profile housing
- UL94 V0 listed plastic and PC boards address strict building safety codes



MPMI24580406-RPC

### STANDARD CONFIGURATION

Model	Cable	Connector*	Mount
MPMI24580406-RPC	Four (4) 14-inch low loss RG-316	Four (4) Reverse Polarity Male TNC	7/8-14 UNF plastic HEX nut and flat washer included

### ELECTRICAL SPECIFICATIONS - RF ANTENNA

Frequency Range	Gain	VSWR	Azimuth Half Power Beamwidth	Elevation Half Power Beamwidth
2.4-2.5 GHz 4.9-5.9 GHz	4 dBi 7 dBi	< 2.0:1	@ 2.4 GHz: 60° @ 5 GHz: 50°	@ 2.4 GHz: 45° @ 5 GHz: 30°

### ELECTRICAL SPECIFICATIONS - RF ANTENNA, continued

Average Power	Nominal Impedance	Polarization	Port-to-Port Isolation
5 watts	50 ohms	Vertical, linear	@ 2.4 GHz: -15 dB @ 5 GHz: -15 dB

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Housing Material	Temperature Range
7.07 L x 5.07 W x 1.30 H in (17.96 x 12.88 x 3.30 cm)	PC, White Lexan 945U	-40°C to +80°C

\* Other connector options available upon request