

Multi-Band MIMO Antennas for 802.11ac Temporary Mount Applications

The PCTHPMIMO-SF-MM platform enables high data rate connectivity for fleet, rail, mass transit, public safety, and M2M applications. Each low-profile antenna model supports dual-band 2.4/5 GHz MIMO for 802.11n and 802.11ac WLAN standards, combining multiple antenna elements into one IP67-rated housing. This platform features heavy-duty rare earth magnets for secure, temporary installations. Black or white radome options, as well as permanent mount configurations are also available.

Features

- Multi-band coverage of 2.4-2.5 GHz and 4.9-5.9 GHz frequencies
- Dual-band integrated elements terminated with high performance, low loss RG-58/U stranded cable and high quality connector for maximum RF system efficiency
- Magnetically mounted using heavy-duty internal rare earth magnets
- Rubber pad on the bottom of the antenna prevents slippage and protects the mounting surface
- Attractive low-profile design for maximum installation flexibility without antenna orientation restrictions
- IP67 compliant design with custom overmolded gasket provides maximum protection against water or dust ingress under severe environmental conditions***
- UV-resistant white or black housing complements most vehicular aesthetic requirements



PCTHPMIMO-4-MM

STANDARD CONFIGURATION

Model	Cable	Connector	Mount	MIMO Elements
PCTHPMIMO-4-MM	Four (4) 17-foot Pro-Flex™ Plus 195 stranded cable leads	Reverse Polarity SMA Male	Magnet Mount	4
PCTHPMIMO-3-MM	Three (3) 17-foot Pro-Flex™ Plus 195 stranded cable leads	Reverse Polarity SMA Male	Magnet Mount	3
PCTHPMIMO-2-MM	Two (2) 17-foot Pro-Flex™ Plus 195 stranded cable leads	Reverse Polarity SMA Male	Magnet Mount	2

ELECTRICAL SPECIFICATIONS (ALL MODELS)

Frequency Range	Gain*	VSWR	Maximum Power	Polarization	Nominal Impedance
2.4-2.5 GHz / 4.9-5.9 GHz	3-4 dBi	< 2.0:1	25 watts	Vertical, linear	50 ohms

MECHANICAL SPECIFICATIONS AND ENVIRONMENTAL SPECIFICATIONS (ALL MODELS)

Dimensions	Housing Material**	Temperature Range	Ingress Protection
3.6 x 5.1 in (9.1 x 12.9 cm)	White UV-stable rugged thermoplastics	-40° to +80° C	IP67***

* Measured at the end of the coax

** Antennas each have black and white color options. To order the black model, please add a "B" before the model number.

*** When properly installed on rooftop surface, according to PCTEL installation instructions