

High Performance Magnetic Mount Multiband MIMO Antennas

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 available.



PCTHPMIMO-4-MM

Features

- Multiband 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

General Specifications

Maximum Power:	25 watts
Polarization:	Vertical, linear
Nominal Impedance:	50 ohms
Housing Material:	Polycarbonate
Mount Method:	Magnet Mount
Coax:	<p>PCTHPMIMO-4-MM: Four (4) 17-foot Pro-Flex Plus 195 stranded cable leads</p> <p>PCTHPMIMO-3-MM: Three (3) 17-foot Pro-Flex Plus 195 stranded cable leads</p> <p>PCTHPMIMO-2-MM: Two (2) 17-foot Pro-Flex Plus 195 stranded cable leads</p>
Connector(s):	Reverse Polarity SMA Male

Electrical Specifications

Model	Frequency Ranges	VSWR	Average Gain*	MIMO Elements
PCTHPMIMO-4-MM	2.4-2.5 GHz 4.9-5.9 GHz	< 2.0:1	3-4 dBi	4
PCTHPMIMO-3-MM	2.4-2.5 GHz 4.9-5.9 GHz	< 2.0:1	3-4 dBi	3
PCTHPMIMO-2-MM	2.4-2.5 GHz 4.9-5.9 GHz	< 2.0:1	3-4 dBi	2

Mechanical Specifications

Model	Dimensions (H x OD)	Housing Color**
All Models	3.6 x 5.1 inches (9.1 x 12.9 cm)	White

Environmental Specifications

Model	Operating/Storage Temperature	Ingress Protection
All Models	-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.