

LTE MIMO, Dual 802.11n Multi-Band Antenna

PCTEL's dual LTE MIMO antenna provides dual LTE coverage in a single low-profile housing. Models with Wi-Fi add-on option are also available.

Features

- No tune, multi-band coverage: 4G LTE MIMO; Wi-Fi options available
- Metal 1-inch stud mount with slotted jam nut provides single cable exit for easier installation and/or antenna replacement
- IP67 compliant design provides maximum protection against water or dust ingress under severe environmental conditions*
- High performance, low loss cable and high quality connectors for maximum RF system efficiency
- UV-resistant black or white housing options complement most vehicular aesthetic requirements



PCTHPDLTE-SF



BPCTHPDLTE-SF

STANDARD CONFIGURATION

Model	Connector	Cable	Mount
PCTHPDLTEMIMO-SF	MSMA (LTE) RP-MSMA (Wi-Fi)	Two-17 feet Pro-Flex™ Plus 195 (4G LTE) Two-17 feet Pro-Flex™ Plus 195 (Wi-Fi)	Built-in 3/4-inch long (.75") zinc stud mount with jam nut for 1-inch hole
PCTHPDLTE-SF	MSMA (LTE)	Two-17 feet Pro-Flex™ Plus 195 (4G LTE)	
PCTHPDLTEWIFI-SF	MSMA (LTE) RP-MSMA (Wi-Fi)	Two-17 feet Pro-Flex™ Plus 195 (4G LTE) One-17 feet Pro-Flex™ Plus 195 (Wi-Fi)	

ELECTRICAL SPECIFICATIONS

Model	Elements	Frequency Range	Gain**	VSWR***	Polarization	Nominal Impedance	Maximum Power
PCTHPDLTEMIMO-SF	4G LTE (2 each)	698-960 MHz / 1710-2700 MHz	2.5 dBi	< 2.0:1	Vertical, linear	50 ohms	50 watts
	Dual-Band Wi-Fi (2 each)	2.4-2.5 GHz / 4.9-5.9 GHz	3-4 dBi				
PCTHPDLTE-SF	4G LTE (2 each)	698-960 MHz / 1710-2700 MHz	2.5 dBi	< 2.0:1	Vertical, linear	50 ohms	50 watts
PCTHPDLTEWIFI-SF	4G LTE (2 each)	698-960 MHz / 1710-2700 MHz	2.5 dBi	< 2.0:1	Vertical, linear	50 ohms	50 watts
	Dual-Band Wi-Fi (1 each)	2.4-2.5 GHz / 4.9-5.9 GHz	3-4 dBi				

MECHANICAL & ENVIRONMENTAL SPECIFICATIONS

Dimensions	Gasket Design & Construction	Temperature Range	Radome & Baseplate Construction
5.2 x 3.4 in (132 x 94 mm)	Contour matching, conformable, thermoplastic-elastomer gasket designed to seal between radome and baseplate. Gasket flexes and conforms to contoured surfaces. Baseplate has a 3M™ VHB mounting pad for anti-rotation.	-40°C to +85°C	White UV-Stable CYCOLOY C6200 Radome****

*When properly installed on a vehicle rooftop per PCTEL installation instructions. 3M is a trademark of 3M Company.

** Measured on a 4-foot diameter ground plane. Gain value is measured at the base of the antenna (no cable loss included). *** VSWR < 2:1 across all bands when measured on 1-ft diameter ground plane with 17-ft cable. When measured on 1-ft diameter ground plane with 1-ft cable, VSWR < 2:1 698-960MHz, < 2:1 1710-2170MHz, and < 2.5:1 2170-2700MHz. **** Black radome option also available. Add "B" in front of part number for black radome option.