

## Multi-Band LTE & 802.11ac MIMO Antennas with High Rejection GPS

This Wi-Fi MIMO antenna provides optimal 4G LTE and dual-band 802.11ac Wi-Fi coverage in a single 4-port, low-profile housing. The antenna also incorporates a high rejection GPS LNA assembly for optimal performance and support of carrier voice and data networks.

### Features

- No tune, multi-band coverage: 4G LTE, 802.11ac Wi-Fi MIMO and GPS L1 frequencies
- Metal 3/4-inch stud mount with slotted jam nut provides single cable exit for easier installation and/or antenna replacement
- IP67 compliant design\*\*\*
- High performance, low loss cable and high quality connectors
- UV-resistant black or white housing options



GPSHPMIMO-LTB



GPSHPMIMO-LTW

### STANDARD CONFIGURATION

Model	Cable (Both Models)	Connectors (Both Models)	Mounting Method (Both Models)	Housing Color
GPSHPMIMO-LTB	17 feet Pro-Flex™ Plus 195 (4G LTE Element)	Male SMA (LTE)	1-inch hole, 3/4-inch long (.75") zinc stud mount with jam nut	Black
GPSHPMIMO-LTW	17 feet Pro-Flex™ Plus 195 (802.11n Wi-Fi Elements - 2 each) 17 feet RG-174/U (GPS L1)	RP-MSMA (Wi-Fi) Male SMA (GPS)		White

### ELECTRICAL SPECIFICATIONS - RF ANTENNAS

Frequency Range	Elements	Polarization	Nominal Impedance	Gain* (typical)	Maximum Power	VSWR**
698-960 MHz / 1710-2700 MHz / 2300-2700 MHz	4G LTE Element 802.11ac Wi-Fi Elements (2 each)	Vertical, linear	50 ohms	2.5 dBi	50 watts	< 2.0:1

### ELECTRICAL SPECIFICATIONS - GPS ANTENNA

DC Current:	DC Voltage	Noise Figure	Filtering
20 mA nominal; < 30 mA @ -40°C to +85°C	3.3-12 V	1.8 dB typical	> 40 dB rejection @ ± 50 MHz from center frequency

### MECHANICAL & ENVIRONMENTAL SPECIFICATIONS (ALL MODELS)

Dimensions	Housing Material	Temperature Range	Gasket Design & Construction
5.1 x 3.6 in (130 x 92 mm)	Black, UV-Stable Polycarbonate****	-40°C to +85°C	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.

\* 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. \*\*\* When properly installed on a vehicle rooftop per PCTEL installation instructions. \*\*\*\* For white radome option, add suffix "W" to part number (GPSHPMIMO-LTW). 3M is a trademark of 3M Company.