

LLP502 Antenna



MLP - Mag Mount



LLP502 Low Profile, multi-band 5-cable LTE, WIFI & GPS

- 5-cables: two for Cellular & LTE, two for WiFi, and one for GPS
- WiFi elements can be used for WiFi MIMO or for separate WiFi modems
- Available with GPS or with combination GPS/Glonass

Mobile Mark's LLP502 Series Multiband Diversity/MIMO antenna contains five separate antenna elements, all in one compact antenna housing: two broadband LTE/Cellular antennas, two dual-band WiFi antennas, and one GPS antenna. The LLP502 covers Cellular LTE frequencies from 694-3700 MHz.

MIMO (multiple-input-multiple-output) modems for both WiFi and LTE/Cellular offer greater speed and capacity than earlier generations of modems. They achieve this by sending RF signals on multiple antenna elements to maximize the amount of information transmitted and received. To ensure optimum performance, the systems need multiple antennas on both the transmission and receive ends.

With 5-elements, the new LLP502 antenna is ideal for fleet management systems that combine GPS with both any Global LTE MIMO modem as well as WiFi 2x MIMO.

Measuring 9" (22.8cm) x 3.5" (8.9cm) with a low profile of 1.25" (3.18cm), the LLP502 series antennas take up significantly less space than multiple antennas. The radome is available in black and white. The antennas can also be configured for combined GPS & Glonass use. This antenna is available as a mag-mount.

Model Configurator

LLP502 -

Cable/Conn 1

Cable/Conn 2

Cable/Conn 3

Cable/Conn 4

Cable/Conn 5

Color

Cable Length in Inches (eg. 12 or 180)

Example: LLP502-3C3C3C3C2C-BLK-180
 MLP502-3C3C3C2C-BLK-180 (Mag mount)

Specify "LLPG" instead of "LLP" for GPS/Glonass combination antennas

<u>Cable Options:</u>	<u>Connector Options:</u>	<u>Color Options:</u>
<u>Code</u> <u>Cable</u>	<u>Code</u> <u>Connector</u>	<u>Code</u> <u>Color</u>
2 RG-174	C SMA	BLK Black
3 LL-195	J RP SMA	WHT White

Specifications			
Frequency & Gain (peak): Cable 1 & 2 (Global LTE) Cable 3 & 4 (WiFi) Cable 5 (GPS) GPS & Glonass option VSWR: Impedance: Maximum Power: GPS Amplifier Bias: Noise Figure: Current: Case size:	694-960 MHz, 0-3 dBi 1710-3700 MHz, 4 dBi 2.4-2.5 & 4.9-6.0 GHz, 4 & 5 dBi 1575 MHz, 26 dB, 5 dBi 1575 MHz & 1602 MHz 2:1 VSWR over Range 50 Ohm Nominal 10 Watts 2.7 to 5 VDC 2.0 dB max, 1.7 dB typical 20 mA max, 10 mA typical 9" x 3.5" x 1.25" (22.8cm x 8.9cm x 3.18cm)	Magnet Mount Radome Material: Operating Temperature: Connectors, standard: Cable: Cable 1-4 Cable 5 (GPS and GPS/Glonass) Mounting: MLP Mount: Shock & Vibration: Water Ingress:	9" x 3.5" x 1.65" (22.8cm x 8.9cm x 4.6cm) ASA UV-Stable Plastic -40° to +80° C SMA Plugs (male) standard LL-195, 15 ft (4.5m) RG-174, 15 ft (4.5 m) Thru hole, ground plane dep. Mag Mount IEEE1478, EN61373, MIL-801G, TIA 329.2-C IP67 *Measured on 1' (30cm) ground with 1' cable (30 cm)