



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.

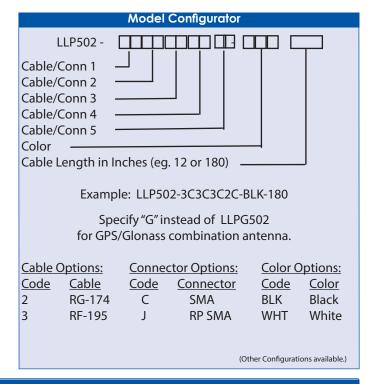
With 5-elements, the new LLP502 antenna is ideal for fleet management systems that combine GPS with both any Global LTE MIMO modem as well as WiFi MIMO modem

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 not avaliable as a 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
- Avaliable with GPS or with combination GPS/Glonass



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 & 1612 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) Operating Temperature: -40° to +80° C Connectors, standard: SMA Plugs (male) standard) Cable: Cable 1-4 Separate RF-195, 15 ft (4.5m) Cable 5 (GPS and RG-174, 15 ft (4.5 meters) GPS/Glonass) Mounting: Through hole, ground plane dependent Shock & Vibration: IEEE1478, EN61373, MIL-801G, TIA 329.2-C

*Measured on 1' (30cm) ground with 1' cable (30 cm)

ASA UV-Stable Plastic

Radome Material:

Water Ingress: