

LLP702 Antenna



Mobile Mark's LLP702 Series Multiband Diversity/MIMO antenna contains five separate antenna elements, all in one compact antenna housing: two broadband LTE/Cellular antennas, four dual-band WiFi antennas, and one GPS antenna. The LLP702 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.

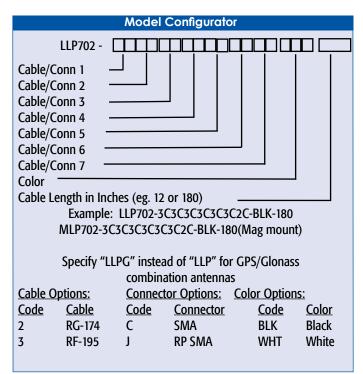
With seven elements, the new LLP702 antenna is ideal for fleet management systems that combine GPS with both an LTE 2x MIMO modem as well as a WiFi 4x MIMO Modem.

Measuring 9" (22.8cm) x 3.5" (8.9cm) with a low profile of 1.25" (3.18cm), the LLP702 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.

LLP702 Low Profile, multi-band 7-cable LTE, WIFI & GPS

- 7-cables: two for Cellular & LTE, four 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



Specifications

Frequency & Gain (peak): Cable 1 & 2 (Global LTE)

> Cable 3, 4, 5 & 6 (WiFi) Cable 7 (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 & 5-6 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 1-6

Cable 7 (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

Separate LL-195, 15 ft (4.5m) RG-174, 15 ft (4.5 meters)

Thru hole, ground plane dependent Mag Mount

IEEE1478, EN61373, MIL-801G, TIA 329.2-C IP67.

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