

LLP602



MLP - Mag Mount



LLP602 Low Profile 6-cable LTE, WiFi & GPS

- 6-cables: two for Cellular & LTE, three 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 LLP602 Series Multiband Diversity/MIMO antenna contains six separate antenna elements, all in one compact antenna housing: two broadband LTE/Cellular antennas, three WiFi antennas, and one GPS antenna. The LLP602 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 6-elements, the new LLP602 antenna is ideal for fleet management systems that combine GPS with both an LTE 2x MIMO modem as well as a WiFi 3x MIMO Modem.

Measuring 9" (22.8cm) x 3.5" (8.9cm) with a low profile of 1.25" (3.18cm), the LLP602 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

LLP602 - -

Cable/Conn 1

Cable/Conn 2

Cable/Conn 3

Cable/Conn 4

Cable/Conn 5

Cable/Conn 6

Color

Cable Length in Inches (eg. 12 or 180)

Example: LLP602-3C3C3J3J3J2C-WHT-180
 MLP602-3C3C3J3J3J2C-WHT-180 (Mag mount)

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

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
2	RG-174	C	SMA	WHT	White
3	LL-195	J	RP SMA	BLK	Black
		A	TNC		

Specifications			
Frequency & Gain (peak)*: Cable 1 & 2 (Cellular)	694-960 MHz, 0-3 dBi 1710-3700 MHz, 4 dBi	Magnet Mount	9" x 3.5" x 1.65" (22.8cm x 8.9cm x 4.6cm)
Cable 3, 4 & 5 (WiFi)	2.4-2.5 & 5-6 GHz, 4 & 5 dBi	Radome Material:	ASA UV-Stable Plastic
Cable 6 (GPS)	1575 MHz, 26 dB, 5 dBi	Operating Temperature:	-40° to +80° C
GPS & Glonass option	1575 MHz & 1602 MHz	Connectors, standard:	SMA Plugs (male) standard
VSWR*:	2:1 VSWR over Range	Cable:	Separate LL-195, 15 ft (4.5m)
Impedance:	50 Ohm Nominal	Cable 1-5	RG-174, 15 ft (4.5 meters)
Maximum Power:	10 Watts	Cable 6 (GPS)	
GPS		Mounting:	Thru hole, ground plane dep.
Amplifier Bias:	2.7 to 5 VDC	MLP Mount:	Mag Mount
Noise Figure:	2.0 dB max, 1.7 dB typical	Shock & Vibration:	IEEE1478, EN 61373, MIL-810G
Current:	20 mA max, 10 mA typical	Water Ingress:	TIA329.2-C
Case size:	9" x 3.5" x 1.25" (22.8cm x 8.9cm x 3.18cm)		IP67

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