



LLP602 Antenna



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 not available as a mag-mount.

Model Configurator	
LLP602 -	<input type="text"/>
Cable/Conn 1	<input type="text"/>
Cable/Conn 2	<input type="text"/>
Cable/Conn 3	<input type="text"/>
Cable/Conn 4	<input type="text"/>
Cable/Conn 5	<input type="text"/>
Cable/Conn 6	<input type="text"/>
Color	<input type="text"/>
Cable Length in Inches (eg. 12 or 180)	<input type="text"/>
Example: LLP602-3C3C3J3J3J2C-WHT-180	
Specify "G" instead of LLP602 for GPS/Glonass combination antenna.	
Cable Options:	Connector Options:
Code Cable	Code Connector
2 RG-174	C SMA
3 RF-195	J RP SMA
	A TNC
Color Options:	
Code Color	
WHT White	
BLK Black	
(Other Configurations available.)	

Specifications			
Frequency & Gain (peak)*:		Radome Material:	ASA UV-Stable Plastic
Cable 1 & 2 (Cellular)	694-960 MHz, 0-3 dBi	Operating Temperature:	-40° to +80° C
	1710-3700 MHz, 4 dBi	Connectors, standard:	SMA Plugs (male) standard
Cable 3, 4 & 5 (WiFi)	2.4-2.5 & 5-6 GHz, 4 & 5 dBi	Cable:	
Cable 6 (GPS)	1575 MHz, 26 dB, 5 dBi	Cable 1-5	Separate RF-195, 15 ft (4.5m)
GPS & Glonass option	1575 MHz & 1612 MHz	Cable 6 (GPS)	RG-174, 15 ft (4.5 meters)
VSWR*:	2:1 VSWR over Range	Mounting:	Through hole, ground plane dependent
Impedance:	50 Ohm Nominal	Shock & Vibration:	IEEE1478, EN 61373, MIL-810G
Maximum Power:	10 Watts	Water Ingress:	TIA329.2-C
GPS			IP67,
Amplifier Bias:	2.7 to 5 VDC		
Noise Figure:	2.0 dB max, 1.7 dB typical		
Current:	20 mA max, 10 mA typical		
Case size:	9"x 3.5" x 1.25" (22.8cm x 8.9cm x 3.18cm)		

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