



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

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.

Model Configurator

LLP702 -

Cable/Conn 1

Cable/Conn 2

Cable/Conn 3

Cable/Conn 4

Cable/Conn 5

Cable/Conn 6

Cable/Conn 7

Color

Cable Length in Inches (eg. 12 or 180)

Example: LLP702-3C3C3C3C3C3C2C-BLK-180

MLP702-3C3C3C3C3C3C2C-BLK-180(Mag mount)

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

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

Specifications			
Frequency & Gain (peak):		Magnet Mount	9" x 3.5" x 1.65"
Cable 1 & 2 (Global LTE)	694-960 MHz, 0-3 dBi	Radome Material:	(22.8cm x 8.9cm x 4.6cm)
	1710-3700 MHz, 4 dBi	Operating Temperature:	ASA UV-Stable Plastic
Cable 3, 4, 5 & 6 (WiFi)	2.4-2.5 & 5-6 GHz, 4 & 5 dBi		-40° to +80° C
Cable 7 (GPS)	1575 MHz, 26 dB, 5 dBi	Connectors, standard:	SMA Plugs (male) standard
GPS & Glonass option	1575 MHz & 1602 MHz	Cable:	
VSWR:	2:1 VSWR over Range	Cable 1-6	Separate LL-195, 15 ft (4.5m)
Impedance:	50 Ohm Nominal	Cable 7 (GPS and GPS/Glonass)	RG-174, 15 ft (4.5 meters)
Maximum Power:	10 Watts	Mounting:	Thru hole, ground plane dependent
GPS		MLP Mount:	Mag Mount
Amplifier Bias:	2.7 to 5 VDC	Shock & Vibration:	IEEE1478, EN61373,
Noise Figure:	2.0 dB max, 1.7 dB typical	Water Ingress:	MIL-801G, TIA 329.2-C
Current:	20 mA max, 10 mA typical		IP67,
Case size:	9" x 3.5" x 1.25" (22.8cm x 8.9cm x 3.18cm)		

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