



## LTM702 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 LTM702 Series Multiband Diversity/MIMO antenna contains seven separate antennas all in one compact antenna housing: two broadband LTE/Cellular antennas, four dual-band WiFi antennas, and one GPS antenna. The LTM702 covers Cellular LTE frequencies from 694-3700 MHz.

MIMO (multiple-input-multiple-output) modems 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.

With seven elements, the new LTM702 antenna is ideal for fleet management systems that combine GPS with both an LTE 2xMIMO modem as well as a WiFi 4xMIMO Modem.

Measuring 5.5" (140mm) in diameter with a low profile of 2.38" (60.4mm), LTM series antennas take up significantly less space than multiple antennas. The radome is available in either black or white. The antennas can also be configured for combined GPS & Glonass use.

This antenna is not available as a mag-mount.

Model Configurator				
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: LTM702-3C3C3J3J3J3J2C-BLK-180				
Specify "LTMG" instead of "LTM" for GPS/Glonass combination antennas				
<u>Cable Options:</u> <u>Connector Options:</u> <u>Color Options:</u>				
<u>Code</u> <u>Cable</u> <u>Code</u> <u>Connector</u> <u>Code</u> <u>Color</u>				

SMA

RP SMA

**BLK** 

WHT

Black

White

Specifications			
Frequency & Gain (peak):		Case Size:	5.50" Dia. x 2.38" High
Cable 1 & 2 (Global LTE)	694-960 MHz, 0-3 dBi		(140mm x 60.4mm)
	1710-3700 MHz, 4 dBi	Radome Material:	ASA UV-Stable Plastic
Cable 3, 4, 5 & 6 (WiFi)	2.4-2.5 & 5-6 GHz, 4 & 5 dBi	Operating Temperature:	-40° to +80° C
Cable 7 (GPS)	1575 MHz, 26 dB, 5 dBi	operating reinperature.	10 10 100 €
GPS & Glonass option	1575 MHz & 1602 MHz	Connectors, standard:	SMA Plugs (male) standard
		Cable:	3, ( , , , , , , , , , , , , , , , , , ,
VSWR:		Cable 1-6	LL-195, 15 ft (4.5m)
LTE	2:5:1 VSWR over Range	Cable 7 (GPS and	RG-174, 15 ft (4.5 meters)
WiFi	2:1 VSWR over Range	GPS/Glonass)	, , , ,
Impedance:	50 Ohm Nominal	Mounting:	Stud mount (5/8-24 Thread)
Maximum Power:	10 Watts	3	Mounts to surfaces .20" (5mm) thick
GPS		Shock & Vibration:	IEEE1478, EN61373, MIL-810G,
Amplifier Bias:	3.3/5 VDC		TIA 329.2-C
Noise Figure:	2.0 dB max, 1.7 dB typical	Water Ingress:	IP67
Current:	20 mA max, 10 mA typical	*Measured on 1	(30cm) ground with 1'(30cm) cable
Current	20 m/ max, 10 m/ typical	Wicasarea on 1	(Social) ground with 1 (Social) cubic

2

3

RG-174

LL-195

C

J