



## 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**

LTM702 -

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: LTM702-3C3C3J3J3J2C-BLK-180

Specify "LTMG" instead of "LTM" 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	LL-195	J	RP SMA	WHT	White

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