



## LTM402 multi-band 4-cable Global LTE MIMO, WiFi & GPS

- 4-cables: two for Global Cellular/LTE, one for WiFi, and one for GPS
- Covers all Cellular & LTE frequencies worldwide, from 694 MHz to 3700 MHz
- Single mounting hole; easier installation
- Meets Industrial & Military specs

Mobile Mark's LTM402 Series Multiband Diversity/MIMO antenna contains four separate antennas, all in one compact antenna housing: two Global LTE/Cellular antennas, one 2.4/5 GHz dual-band WiFi antenna, and one GPS antenna. The LTM402 differs from the LTM401 in that it covers all LTE systems worldwide from 694-3700 MHz.

LTE 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.

This 4-element LTM antenna is designed for fleet management systems that combine GPS with a single element (non-MIMO) WiFi modem as well as a 2-element LTE MIMO modem. For systems that require MIMO on both bands, the 5-cable LTM502 is recommended.

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 are available in either surface mount or mag-mount models. The antennas can also be configured for combined GPS & Glonass use.

**Model Configurator**

LTM402---------

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Cable/Connector 4

Color

Cable Length in Inches (eg. 12 or 180)

Example: LTM402-3C3C3C2C-WHT-180  
MLTM402-3C3C3C2C-BLK-180 (mag-mount option)

Specify "LTMG" or "MLTMG" instead of "LTM" or "MLTM"  
for GPS/Glonass combination antenna.

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
1	RG-58	A	TNC	WHT	White
2	RG-174	C	SMA	BLK	Black
3	RF-195	J	RP SMA		

(Other Configurations available.)

Specifications			
<b>Frequency &amp; Gain (peak)*:</b>		<b>Operating Temperature:</b>	-40° to +80° C
Cable 1 & 2 (Global LTE)	694-960 MHz, 3 dBi & 1710-3700 MHz, 4 dBi	<b>Connectors:</b>	SMA Plugs standard
Cable 3 (WiFi)	2.4-2.5 & 4.9-6.0 GHz, 5 dBi	<b>Cable:</b>	
Cable 4 (GPS)	1575.42 +/- 2 MHz, 26 dB, 5 dBi	Cable 1-3	Separate RF-195, 15 ft (4.5 meters) standard
<b>VSWR*:</b>	2:1 VSWR over Range	Cable 4 (GPS)	RG-174, 15 ft (4.5 meters)
<b>Impedance:</b>	50 Ohm Nominal	<b>LTM Mounting:</b>	7/8" (22mm) Dia. Feed through 3/4" (19mm) Long Thread for up to 1/2" (12mm) thick surface Magnet mount
<b>Maximum Power:</b>	10 Watts	<b>MLTM Mounting:</b>	
<b>Case:</b>		<b>Shock &amp; Vibration:</b>	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Surface Mount	5.50" Dia. x 2.38" High (140mm x 60.4mm)	<b>Water Ingress:</b>	IP67
Magnet Mount	5.50" Dia. x 2.78" High (140mm x 70.6mm)		
<b>Radome Material:</b>	ASA UV-Stable Plastic		