



Mobile Mark's LTM501 Series Multiband Diversity/MIMO antenna contains five separate antennas, all in one compact antenna housing: two LTE 700 MHz & Cellular antennas, two dual-band WiFi antennas, and one GPS antenna.

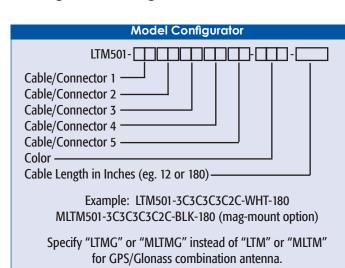
MIMO (multiple-input-multiple-output) modems offer greater speed and capacity than earlier generations of modems. They achieve this by sending RF signals on multiple antenna elements to maximize the amount of information transmitted and received. To ensure optimum performance, the systems need multiple antennas on both the transmission and receive ends.

With 5-elements, the new LTM antenna is ideal for fleet management systems that combine GPS with both an LTE MIMO modem as well as WiFi MIMO 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 are available in either surface mount or mag-mount models. The antennas can also be configured for combined GPS & Glonass use.

## LTM501 multi-band 5-cable LTE MIMO, WIFI MIMO & GPS

- 5-cables: two for Cellular/LTE, two for WiFi, and one for GPS
- Cellular/ITF elements used for either Diversity or MIMO
- WiFi elements used for WiFi MIMO or for separate WiFi modems
- Single mounting hole; easier installation



Cable Options:		Connecto	or Options:	Color Options:		
Code	<u>Cable</u>	<u>Code</u>	Connector	Code	<u>Color</u>	
1	RG-58	Α	TNC	WHT	White	
2	RG-174	C	SMA	BLK	Black	
3	RF-195	J	RP SMA			

(Other Configurations available.)

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Frequency & Gain (peak)\*: Cable 1 & 2 (Cellular/LTE)

> Cable 3 & 4 (WiFi) Cable 5 (GPS)

VSWR\*: Impedance: Maximum Power: Case:

Surface Mount

**Magnet Mount** Radome Material:

694-960 MHz, 3 dBi 1710-2170 MHz, 4 dBi 2.4-2.5 & 4.9-6.0 GHz, 5 dBi 1575.42 +/- 2 MHz, 26 dB, 5 dBi

2:1 VSWR over Range 50 Ohm Nominal 10 Watts

5.50" Dia. x 2.38" High (140mm x 60.4mm) 5.50" Dia. x 2.78" High (140mm x 70.6mm) **ASA UV-Stable Plastic** 

**Operating Temperature:** Connectors:

Cable: Cable 1-4 Cable 5 (GPS)

LTM Mounting:

MLTM Mounting:

Water Ingress:

Shock & Vibration:

RG-174, 15 ft (4.5 meters) 7/8" (22mm) Dia. Feed through 3/4"(19mm) long thread for up to 1/2" (12mm) thick surface Magnet mount IEEE1478, EN61373, MIL-810G,

Separate RF-195, 15 ft (4.5m)

TIA 329.2-C **IP67** 

-40° to +80° C

**SMA Plugs standard** 

\*Measured on 1' ground with 1' cable