



## Multi-band Diversity/MIMO Antenna, LTE, WiFi & GPS

- 4-cables, multi-band antenna for LTE MIMO, WiFi and GPS
- Single mounting hole; easier installation
- Field proven design; dependable link
- Mechanically sound, meets Industrial & Military specs

Model Configurato

Mobile Mark's LTM401 Series antenna contains four separate antennas, all in one compact antenna housing: two identical LTE 700 MHz & Cellular antennas, one 2.4/5 GHz dual-band WiFi antenna, and one GPS antenna.

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, but in order to ensure optimum performance the systems need multiple antennas on both the transmission and receive ends.

This 4-element LTM antenna is designed for fleet management systems that combine GPS with a single element WiFi (non-MIMO) modem as well as a 2-element LTE MIMO modem. For systems that require MIMO on the WiFi bands, the 5-cable LTM501 is recommended.

Measuring 5.5" (140mm) in diameter with a low profile of 2.38" (60.4mm), 5.5" (140mm) x 2.78" (70.6mm) with the magnet mount, LTM series antennas take up significantly less space than multiple antennas and cut down on installation time and costs by offering a single mounting hole.

**Specifications** 

Model Conligurator							
Cable/Connector 1 Cable/Connector 2 Cable/Connector 3 Cable/Connector 4 Color—							
Cable Length in Inches (eg. 12 or 180)							
Example: LTM401-3A3A3A2C-WHT-180 Specify "MLTM" instead of "LTM" for Magnet Mount Option							
Cable Options:			Connector Options:		Color Options:		
<u>Code</u>	<u>Cable</u>	<u>Code</u>	<u>Connector</u>	<u>Code</u>	<u>Color</u>		
1	RG-58	Α	TNC	WHT	White		
2	RG-174	C	SMA	BLK	Black		
3	RF-195	D	SMB				
		Ε	MCX				
		J	RP SMA				
		K	RP TNC				
(Other Configurations available.)							

Frequency & Gain (peak)*:		De la con Matadal	ACA IN Cubb Disc.
Cable 1 & 2 (LTE)	694-960 MHz, 3 dBi	Radome Material:	ASA UV-Stable Plastic
Cable I & Z (LIE)	·	Operating Temperature:	-40 to +80° C
- 11 - and-0	1710-2170 MHz, 4 dBi	Connectors:	SMA Plugs standard,
Cable 3 (WiFi)	2400-2500 MHz, 5 dBi		Others Available
	4900-6000 MHz, 5 dBi	Cable:	
Cable 4 (GPS)	1575.42 +/- 2 MHz, 26 dB, 5 dBi	Cable 1-3	Separate RF-195,15 ft (4.5
VSWR*:	2:1 VSWR over Range		meters) standard
Impedance:	50 Ohm Nominal	Cable 4 (GPS)	RG-174, 15 ft (4.5 meters)
Maximum Power:	10 Watts	Mounting:	7/8" (22mm) Dia. Feed through
Case:	10 11413	, and the second	3/4"(19mm)Long Thread for
Surface Mount	5.50" Dia. x 2.38" High		up to 1/2" (12mm)thick surface
	(140mm x 60.4mm)	Shock & Vibration:	IEEE1478, EN61373, MIL-810G,
	(* ************************************		TIA 329.2-C
Magnet Mount	5.50" Dia. x 2.78" High	Water Ingress:	IP67
9	(140mm x 70.6mm)	3 ***	
	,		*Measured on 1' ground with 1' cable