



LTM401 Antenna

## 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

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" (61mm), 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.

**Model Configurator**

LTM401- [ ] [ ] [ ] [ ] [ ] [ ] - [ ] [ ] [ ] [ ] [ ] [ ]

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

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	RG-195	D	SMB		
		E	MCX		
		J	RP SMA		
		K	RP TNC		

(Other Configurations available.)

Specifications			
Frequency & Gain (peak)*:		Connectors:	SMA Plugs standard, Others Available
Cable 1 (LTE)	694-960 MHz, 3 dBi	Cable:	
Cable 2 (LTE)	1710-2170 MHz, 4 dBi	Cable 1-3	Separate RF-195,15 ft (4.5 meters) standard
Cable 3 (WiFi)	694-960 MHz, 3 dBi	Cable 4 (GPS)	RG-174, 15 ft (4.5 meters)
Cable 4 (GPS)	1710-2170 MHz, 4 dBi	Mounting:	7/8" Dia. Feed through 3/4" Long Thread for up to 1/2" thick surface
VSWR*:	2400-2500 MHz, 5 dBi	Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Impedance:	4900-6000 MHz, 5 dBi	Water Ingress:	IP67
Maximum Power:	1575.42 +/- 2 MHz, 26 dB, 5 dBi		
Case:	2:1 VSWR over Range		
Radome Material:	50 Ohm Nominal		
Operating Temperature:	10 Watts		
	5.5" Dia. x 2.38" High (140mm x 61mm)		
	ASA UV-Stable Plastic		
	-40 to +80° C		

\*Measured on 1' ground with 1' cable