



LTM403 multi-band 4-cable Cellular/LTE, WiFi MIMO & GPS

- 4-cables: one for Cellular/LTE, two for WiFi, and one for GPS
- Two WiFi elements can be used for WiFi MIMO or for separate WiFi modems
- Field proven design; dependable link

Mobile Mark's LTM403 Series Multiband Diversity/MIMO antenna contains four separate antennas, all in one compact antenna housing: one Cellular/LTE, two dual-band WiFi antenna, and one GPS.

WiFi 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 2-element WiFi MIMO modem as well as a single element LTE/Cellular modem. For systems that require MIMO on the both bands, the 5-cable LTM502 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.

The antennas can also be configured for combined GPS & Glonass use.

Model Configurator

LTM403- - -

Cable/Connector 1 └─┐

Cable/Connector 2 └─┐

Cable/Connector 3 └─┐

Cable/Connector 4 └─┐

Color └──────────────────┐

Cable Length in Inches (eg. 12 or 180) └────────────────────────────────┐

Example: LTM403-3C3C3C2C-WHT-180
MLTM403-3C3C3C2C-BLK-180 (mag-mount option)

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

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

(Other Configurations available.)

Specifications

Frequency & Gain (peak)*:		Operating Temperature:	-40° to +80° C
Cable 1 (Cellular/LTE)	694-960 MHz, 3 dBi 1710-2170 MHz, 4 dBi	Connectors:	SMA Plugs standard
Cable 2 & 3 (WiFi)	2.4-2.5 & 4.9-6.0 GHz, 5 dBi	Cable:	
Cable 4 (GPS)	1575.42 +/- 2 MHz, 26 dB, 5 dBi	Cable 1-3	Separate RF-195, 15 ft (4.5 meters) standard
		Cable 4 (GPS)	RG-174, 15 ft (4.5 meters)
VSWR*:	2:1 VSWR over Range	LTM Mounting:	7/8" (22mm) Dia. Feed
Impedance:	50 Ohm Nominal	through	
Maximum Power:	10 Watts		3/4"(19mm) Long Thread for up to 1/2"(13mm) thick
Case:			
Surface Mount	5.50" Dia. x 2.38" High (140mm x 60.4mm)	surface	
Magnet Mount	5.50" Dia. x 2.78" High (140mm x 70.6mm)	MLTM Mounting:	Magnet mount
Radome Material:	ASA UV-Stable Plastic	Shock & Vibration:	IEEE1478, EN61373, MIL-810G,