



LTM502 5-cable: Global LTE MIMO, WiFi MIMO & GPS

- 5-cables: two for Global Cellular/LTE, two for WiFi, and one for GPS
- Covers all Cellular & LTE frequencies worldwide, from 694 MHz to 3700 MHz
- WiFi elements can be used for WiFi MIMO or for separate WiFi modems
- Single mounting hole; easier installation

Mobile Mark's LTM502 Series Multiband Diversity/MIMO antenna contains five separate antennas, all in one compact antenna housing: two broadband LTE/Cellular antennas, two dual-band WiFi antennas, and one GPS antenna. The LTM502 differs from the LTM501 in that the broadband LTE/Cellular element covers all LTE frequencies worldwide, from 694-3700 MHz.

Both WiFi and LTE MIMO (multiple-input-multiple-output) modems offer greater speed and capacity than earlier generations of modems. To ensure optimum performance, the systems need multiple antennas on both the transmission and receive ends.

With 5-elements, the new LTM502 antenna is ideal for fleet management systems that combine GPS with both any Global LTE MIMO modem as well as WiFi MIMO modem.

Measuring 5.5" (140mm) in diameter with a low profile of 2.38", the 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 are available in either surface-mount or mag-mount and can also be configured for combined GPS & Glonass use.

Model Configurator

LTM502-

Cable/Connector 1

Cable/Connector 2

Cable/Connector 3

Cable/Connector 4

Cable/Connector 5

Color

Cable Length in Inches (eg. 12 or 180)

Example: LTM502-3C3C3C3C2C-WHT-180
MLTM502-3C3C3C3C2C-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			
Frequency & Gain (peak)*:		Operating Temperature:	-40° to +80° C
Cable 1 & 2 (Global LTE)	694-960 MHz, 3 dBi & 1710-3700 MHz, 4 dBi	Connectors:	SMA Plugs standard
Cable 3 & 4 (WiFi)	2.4-2.5 & 4.9-6.0 GHz, 5 dBi	Cable:	
Cable 5 (GPS)	1575.42 +/- 2 MHz, 26 dB, 5 dBi	Cable 1-4	Separate RF-195, 15 ft (4.5m)
VSWR*:	2:1 VSWR over Range	Cable 5 (GPS)	RG-174, 15 ft (4.5 meters)
Impedance:	50 Ohm Nominal	LTM Mounting:	7/8" (22mm) Dia. Feed through 3/4"(19mm)Long Thread for up to 1/2" (13mm)thick surface Magnet mount
Maximum Power:	10 Watts	MLTM Mounting:	
Case size:		Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Surface Mount	5.50" Dia. x 2.38" High (140mm x 60.4mm)	Water Ingress:	IP67
Magnet Mount	5.50" Dia. x 2.78" High (140mm x 70.6mm)		
Radome Material:	ASA UV-Stable Plastic		

*Measured on 1' ground with 1' cable