



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

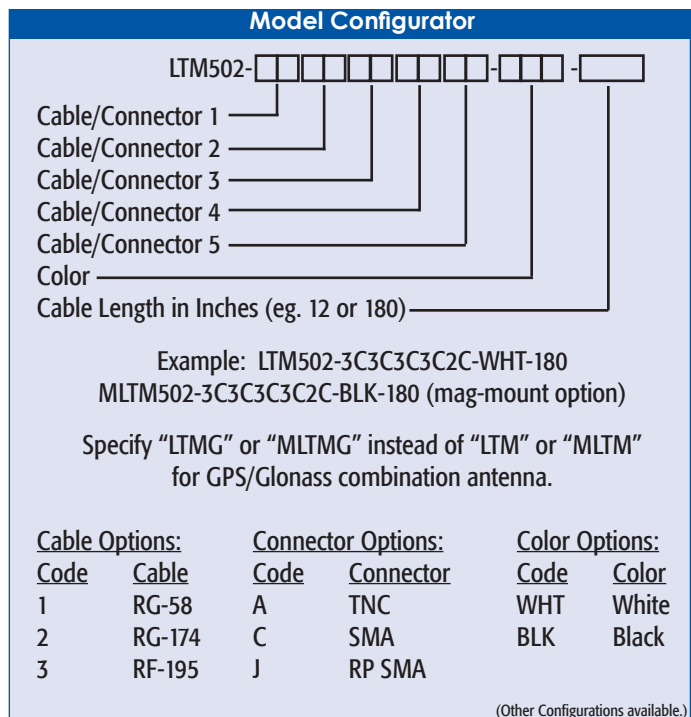
- 5-cables: two for Global Cellular/LTE, two for WiFi, and one for GPS
- Covers all Cellular & LTE frequencies worldwide, from 694 MHz to 3700 MHz
- WiFi elements can be used for WiFi MIMO or for separate WiFi modems
- Single mounting hole; easier installation

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.



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)
		Cable 5 (GPS)	RG-174, 15 ft (4.5 meters)
VSWR*:	2:1 VSWR over Range	LTM Mounting:	7/8" (22mm) Dia. Feed through
Impedance:	50 Ohm Nominal		3/4" (19mm) Long Thread for
Maximum Power:	10 Watts		up to 1/2" (13mm) thick surface
Case size:		MLTM Mounting:	Magnet mount
Surface Mount	5.50" Dia. x 2.38" High (140mm x 60.4mm)	Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Magnet Mount	5.50" Dia. x 2.78" High (140mm x 70.6mm)	Water Ingress:	IP67
Radome Material:	ASA UV-Stable Plastic		
			*Measured on 1' around with 1' cable