



## LTM507 5-cable: Global LTE MIMO, WiFi, Iridium & GPS

- 5-cables: two for Global Cellular/LTE, one for WiFi, one for Iridium and one for GPS
- Covers all Cellular & LTE frequencies from 694 MHz to 3700 MHz
- Multi-band Diversity/MIMO Antenna

Mobile Mark's LTM507 Series Multiband Diversity/MIMO antenna contains five separate antennas, all in one compact antenna housing: two broadband LTE/Cellular antennas, one dual-band WiFi antenna, one Iridium antenna and one GPS antenna. The LTM507 differs from the LTM501 in that it covers the Iridium frequencies from 1616-1626.5 MHz.

LTE MIMO (multiple-input-multiple-output) modems offer greater speed and capacity than earlier generations of modems.

With 5-elements, the new LTM507 antenna is ideal for fleet management systems that combine GPS & Glonass with 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 subject to change without notice (03/2017)

**Model Configurator**

LTM507----------

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: LTM507-3C3C3C3C2C-WHT-180  
MLTM503-3C3C3C3C2C-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	LL-195	J	RP SMA		

(Other Configurations available.)

Specifications			
Frequency & Gain (peak)*:		Magnet Mount	5.50" Dia. x 2.78" High (140mm x 70.6mm)
Cable 1 & 2 (Global LTE)	694-960 MHz, 3 dBi & 1710-3700 MHz, 4 dBi	Radome Material:	ASA UV-Stable Plastic
Cable 3 (WiFi)	2.4-2.5 & 4.9-6.0 GHz, 5 dBi	Operating Temperature:	-40° to +80° C
Cable 4 (Iridium)	1616-1626.5 MHz	Connectors:	SMA Plugs Standard
Cable 5 (GPS)	1575 MHz, 26 dB, 5 dBic	Cable:	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
Maximum Power:	10 Watts	MLTM Mounting:	Magnet mount
GPS		Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Amplifier Bias:	2.7 to 5 VDC	Water Ingress:	IPX7
Noise Figure:	2.0 dB max, 1.7 dB typical		
Current:	20 mA max, 10 mA typical		
Case size:			
Surface Mount	5.50" Dia. x 2.38" High (140mm x 60.4mm)		