

## LTM601 | Multi-Band 6-Cable LTE MIMO, WiFi MIMO & GPS



White Case



Black Case

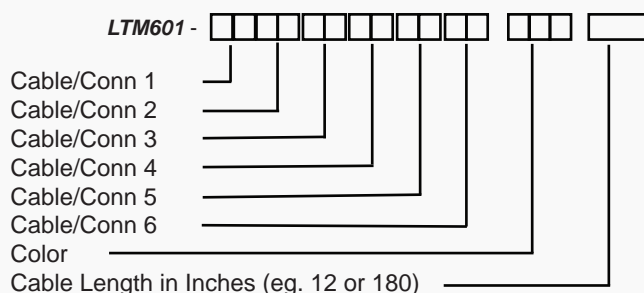
- 6-cables: two for Cellular/LTE, three for WiFi, and one for GPS
- Cellular/LTE elements used for either Diversity or MIMO
- WiFi elements used for WiFi MIMO or for separate WiFi modems

### Specifications

Frequency & Gain (peak)*:	
Cable 1 & 2 (Cellular)	694-960 MHz, 3 dBi 1710-2170 MHz, 4 dBi
Cable 3, 4 & 5 (WiFi)	2.4-2.5 & 4.9-6.0 GHz, 5 dBi
Cable 6 (GPS)	1575 MHz, 26 dB, 5 dBi
GPS & Glonass option	1575 MHz & 1602 MHz
VSWR*:	2:1 VSWR over Range
Impedance:	50 Ohm Nominal
Maximum Power:	10 Watts
GPS	
Amplifier Bias:	2.7 to 5 VDC
Noise Figure:	2.0 dB max, 1.7 dB typical
Current:	20 mA max, 10 mA typical
Case size:	5.50" Dia. x 2.38" High (140mm x 60.4mm)
Radome Material:	ASA UV Inhibitive Plastic
Operating Temperature:	-40° to +80° C
Connectors, standard:	SMA Plugs & RP SMA Plugs
Cable:	
Cable 1-5	Separate LL-195, 15 ft (4.5m)
Cable 6 (GPS)	RG-174, 15 ft (4.5 meters)
Mounting:	7/8" (22mm) Dia. Feed through 3/4"(19mm) long thread for up to 1/2" (12mm) thick surface
Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
Water Ingress:	IP67, NEMA 4X

\*Measured on 1'(30cm) ground with 1'(30cm) cable

### Model Configurator



**Example:** LTM601-3C3C3J3J3J2C-WHT-180  
Specify "LTMG" instead of "LTM"  
for GPS/Glonass combination antenna.

Cable Options:		Connector Options:		Color Options:	
Code	Cable	Code	Connector	Code	Color
2	RG-174	C	SMA	WHT	White
3	LL-195	J	RP SMA	BLK	Black

(Other Configurations Available)

Mobile Mark's LTM601 Series Multiband Diversity/MIMO antenna contains six separate antennas, all in one compact antenna housing: two LTE 700 MHz & Cellular antennas, three dual-band WiFi antennas, and one GPS antenna.

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.

To ensure optimum performance, the systems need multiple antennas on both the transmission and receive ends. With 6-elements, the new LTM antenna is ideal for fleet management systems that combine GPS with both an LTE 2xMIMO modem as well as a WiFi 3xMIMO modem.

Measuring 5.5" (140mm) in diameter with a low profile of 2.38" (60.4mm), LTM series antennas take up significantly less space than multiple antennas. The radome is available in either black or white. The antennas can also be configured for combined GPS & Glonass use.

*\*This antenna is not available as a mag-mount.*