



LTM610 multi-band 6-cable LTE-U Cellular, WiFi & GPS

- 6-cables: two for LTE-U, three for WiFi, and one for GPS
- LTE-U ready: Coverage up to 6 GHz
- WiFi elements used for WiFi MIMO or for separate WiFi modems

Mobile Mark's LTM610 Series Multiband Diversity/MIMO antenna contains six separate antennas, all in one compact antenna housing: two LTE-U 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-U 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.

Model Configurator

LTM610- - -

Cable/Conn 1

Cable/Conn 2

Cable/Conn 3

Cable/Conn 4

Cable/Conn 5

Cable/Conn 6

Color

Cable Length in Inches (eg. 12 or 180)

Example: LTM610-3C3C3J3J3J2C-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.)

Specifications			
Frequency & Gain (peak)*:			
Cable 1 & 2 (LTE-U)	694-960 MHz, 3 dBi 1710-3700 MHz, 4 dBi 4.9-6.0 GHz, 5 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:			
Surface Mount:	5.50" Dia. x 2.38" High (140mm x 60.4mm)		
		Magnet Mount:	5.50" Dia. x 2.78" High (140mm x 70.6mm)
		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)
		LTM Mounting:	7/8" (22mm) Dia. Feed through 3/4" (19mm) long thread for up to 1/2" (12mm) thick surface
		MLTM Mounting:	Magnet mount
		Shock & Vibration:	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
		Water Ingress:	IP67, NEMA 4X
			*Measured on 1' ground with 1' cable