

LTMG312

LMR SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW


The LTMG312 is a variant of our staple LTM series. It includes a high power LMR/P25 element along with a WiFi6E element & GNSS. Its rugged radome makes it durable, high performing, and easy to install.

- **Small and Powerful:** The LTMG312 provides LMR/P25 coverage, along with WiFi, Bluetooth with GPS and GNSS. This antenna also supports Galileo, Glonass, Beidou, and QZSS.
- **Built to last:** Capitalizing on a rugged, UV rated ASA radome, the LTMG312 is water resistant, vibration and shock resistant, making it easy to mount on a metal surface or ground plane.

Tested and trusted, Mobile Mark focuses on quality, fast delivery, and leveraging the expertise of highly skilled professionals, specializing in customizable manufacturing solutions across North America and Europe. By combining advanced technologies with comprehensive team knowledge, we ensure tailored products that meet diverse needs, all delivered efficiently to exceed expectations.



HIGHLIGHTS:

- Land Mobile Radio Multiband
- High Performance, High Gain
- Rugged Radome
- Compatible with Motorola APX4500 P25 Radio
- Manufactured in North America & Europe 

COMMON APPLICATIONS:

- Land Mobile Radio
- Vehicle Fleet Management
- Public Transportation

GNSS SYSTEMS COVERED:

- GPS: L1
- Galileo: E1
- GLONASS: L1
- Beidou: B1
- QZSS: L1C

Electrical Specifications		
Frequency & Gain	LMR/P25	769 - 805 MHz, 2 dBi
	WiFi6E	2.4 - 2.5 & 4.9 - 7.2 GHz, 5 dBi
VSWR	< 2:1 Over Range	
Maximum Power	100 Watts LMR, 10 Watts WiFi6E	
Impedance	50 Ohms Nominal	
GNSS/GPS	1561 MHz, 1575 MHz, 1602 MHz	
LNA Gain	26 dB +/- 3 dB / Antenna Element 4 dBiC	
Noise Figure	1.7 dB typical, 2.0 dB max	
Bias	+2.7 - +5 VDC / 10mA Typical, 20 mA Maximum	
Mechanical Specifications		
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black or White	
Radome Base Material	Corrosion Resistant, Marine-Grade Aluminium	
Radome Dimension	5.50" (139 mm) in Diameter & 2.38" (60 mm) in Height	
Standard Connectors	SMA Plugs (Male)	
Cellular & WiFi Cable	LL-195, 15 ft (4.572m)	
GNSS Cable	RG-174, 15 ft (4.572m)	
Operating Temperature	-40° to +80° C	
Mounting	7/8" (2.2 cm) Hole Panel Thickness 1/2" (1.27 cm)	
Dust & Water Ingress	IP69K (Stud Mount, When Properly Mounted)	
Shock and Vibration	IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C	
RoHS & REACH Compliant	Yes	



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