

LTMWG946

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

The LTMWG946 is an 11-cable antenna with 4x 5G Sub-6, 6x WiFi 6E or Bluetooth and 1x GNSS. With up to 11 antenna elements in a sleek small form factor, it is one of the smallest in the industry. It provides a good match for the dual-carrier modems that have two pairs of LTE MIMO elements, one pair for each carrier. These fleet management systems offer Cellular carrier backup. The 6x WiFi6e elements provide faster throughput for advanced WiFi 6E processors operating up to 7.125 GHz. GNSS operates on GPS, Galileo, Glonass, QZSS, and Beidou.

This Model is part of our Sub-6 and 5G FR1 Solution known as our [6x6 line](#). The cellular elements provide wideband frequency coverage from 617 - 7200 MHz. Specify LTMWG946 for a model configured with GPS only instead of GNSS.

Visit our [eStore](#) to customize an Antenna Online.



LTMWG946-A3CB3CW3JG2C-WHT-180



Electrical Specifications		
Frequency & Gain	5G Sub-6 Cables 1 - 4	617 - 960 MHz, 2 dBi 1710 - 7200 MHz, 5 dBi
	WiFi 6E Cables 5 - 10	2.4 - 2.5 & 4.9 - 7.2 GHz, 5 dBi
	GNSS Cable 11	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi (RHCP)
VSWR	5G Sub-6	< 2.5:1 VSWR over range (with 12" LMR-100)
	WiFi 6E	< 2:1 VSWR over range (with 12" LMR-100)
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Bias Voltage	2.7 to 5 VDC
	Gain	26 dB, 5 dBi
	Current	20 mA max, 10 mA typical

HIGHLIGHTS:

- Multiband:
4x 5G Sub-6, 6x WiFi 6E, 1x GNSS
- WiFi 6E Up to 7.125 GHz
- Dual-Carrier MIMO for cellular
- Covers 617 - 7200 MHz
- 1 ft Cable Pigtailed Exit Antenna;
14 ft Cable Jumpers Provided
- Color Coded Cable Type for
EASY Match-Up
- Made-in-the-USA & UK

RELATED MODELS:

- LTMWG944 (4x WiFi 6E)
- LTMWG942 (2x WiFi 6E)
- LTMWG940 (NO WiFi)
- LTMWG946 (GPS Model)

COMMON APPLICATIONS:

- Vehicle Fleet Management
- Public Transportation
- Fixed Site Private Networks
- Use with Advanced Multiband Routers

Mechanical Specifications		
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black or White	
Radome Dimension	5.50" (139 mm) in diameter 2.38" (60 mm) in height	
1ft (30.5 cm) Pigtail Cables & Connectors Exiting Antenna	5G Sub-6	LMR-100 with SMA Plugs LTE-A (Green) & LTE-B (Red)
	WiFi 6E	LMR-100 with SMA Plugs (Blue)
	GNSS	RG-174 with SMA Plug (Yellow)
14ft (427 cm) Jumper Cables & Connectors Included with antenna	5G Sub-6	LL-195 with SMA Jack & SMA Plugs LTE-A (Green) & LTE-B (Red)
	WiFi 6E	LL-195 with SMA Jack & Rev Pol SMA Plugs (Blue)
	GNSS	RG-174 with SMA Jack & SMA Plug (Yellow)
Operating Temperature	-40° to +80° C	
Mounting	0.87" (22.22 mm) Dia. Feed Through 0.75" (19.05 mm) Ig. Thread for up to 0.50" (12.7 mm) Thick Surface	
Shock & Vibration	IEEE1478, EN 61373, MIL-810G, TIA 329.2-C	
Water Ingress	IP67 (When Properly Mounted)	



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