

LTMWG946

5G MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

The LTMWG946 is an 11-cable antenna with 4x 5G/LTE, 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 Cellular MIMO elements. All of our 5G antennas are backwards compatible for 4G LTE. The 6x WiFi 6E elements provide faster through-put for advanced WiFi at 802.11ax applications. Visit our [eStore](#) to customize an Antenna Online.

Electrical Specifications		
Frequency & Gain	5G/LTE 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/LTE	< 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

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 (305 mm) Pigtail Cables & Connectors Exiting Antenna	5G/LTE	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 (4.27 m) Jumper Cables & Connectors Included with antenna	5G/LTE	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	7/8" (22 mm) Dia. Feed Through 3/4" (19 mm) Ig. Thread for up to 1/2" (13 mm) Thick Surface	
Shock & Vibration	IEEE-1478, EN 61373, MIL-810G, TIA 329.2-C	
Water Ingress	IP67 (When Properly Mounted)	
RoHS Compliant	Yes	



LTMWG946-A3CB3CW3JG2C-WHT-180



HIGHLIGHTS:

- Multiband: 4x 5G/LTE, 6x WiFi 6E, 1x GNSS
- WiFi 6E Up to 7.125 GHz
- Dual-Carrier/Dual Modem MIMO
- 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
- WiFi Data Transfer
- Advanced Multiband Routers



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