

## USAT | Product Datasheet

# LTMWG944

### PRODUCT OVERVIEW

The LTMWG944 is a 9-cable antenna with 4x LTE, 4x WiFi and 1x GNSS. With 9-elements 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 back-up. The 4x WiFi elements provide faster through-put for advanced WiFi processors.

The LTMWG944 covers all Global Cellular & LTE frequencies such as CBRS, Private LTE, and 5-G ready. GNSS operates on GPS, Galileo, Glonass, QZSS or Beidou. This Model is part of our Sub-6 and 5G Ready Solution known as our 626 line. It covers a wide frequency from 617 - 6000 MHz.

Specify LTMW944 for a model configured with GPS only.

Visit our eStore to customize an Antenna Online.

Electrical Specifications				
Frequency & Gain	LTE Cables 1 - 4	617 - 960 MHz, 2 dBi 1710 - 6000 MHz, 5 dBi		
	WiFi Cables 5 - 8			
	GNSS Cable 9	1561, 1575, & 1602 MHz, LNA 26 dB, 5 dBi ( RHCP )		
VSWR	LTE	< 2.5:1 VSWR over range ( with 12" LMR-100 )		
	WiFi	< 2:1 VSWR over range ( with 12" LMR-100 )		
Impedance	50 Ohm Nominal			
Power Rating	10 Watts			
GNSS	Amplifier Bias Voltage	3 to 5 VDC		
	Gain	26 dB, 5 dBi Antenna		
	Current	20 mA max, 10 mA typical		

Radome Material & ColorASA UV-Inhibitive Plastic, Available in Black ~ WhiteRadome Dimension5.5" (13.9 cm ) in Jameter 2.38" (6.0 cm ) in height1ft Pigtail Cables & Connectors Exiting AntennaLTEIncluding 14ft Jumper Cables & ConnectorsLTE14ft Jumper Cables & ConnectorsKG-174 with SMA Plugs (Blue )14ft Jumper Cables & ConnectorsLTE14ft Jumper Cables & ConnectorsWiFi14ft Jumper Cables & ConnectorsWiFi14ft Jumper Cables & ConnectorsKG-174 with SMA Jack & SMA Plugs LTE-A (Green ) & LTE-B (Red )14ft Jumper Cables & ConnectorsWiFi14ft Jumper Cables & ConnectorsKG-174 with SMA Jack & SMA Plugs & Red Through (Yellow)0perating Temperature-40° to +80° C7/8" Dia. Feed Through 3/4" Ig. Thread For up to 1/2" Thick SurfaceShock & VibrationIEEE1478, EN6137, MIL-810G, TIA 329.2-CWater IngressIP 67 (When Property Mounted )	Mechanical Specifications				
Radome Dimension   2.38" ( 6.0 cm ) in bight     1ft Pigtail Cables & Connectors Exiting Antenna   LTE   LMR-100 with SMA Plugs LTE-A (Green) & LTE-B (Red)     0   GNSS   RG-174 with SMA Plug ( Pellow )     14ft Jumper Cables & Connectors   UTE   LL-195 with SMA Jack & SMA Plugs LTE-A (Green ) & LTE-B (Red )     14ft Jumper Cables & Connectors   WiFi   LL-195 with SMA Jack & SMA Plugs ( LTE-B (Red )     0   GNSS   RG-174 with SMA Jack & SMA Plugs ( Blue )     0   GNSS   RG-174 with SMA Jack & SMA Plugs ( Blue )     14ft Jumper Cables & Connectors   WiFi   LL-195 with SMA Jack & SMA Plugs ( Blue )     GNSS   RG-174 with SMA Jack & SMA Plugs ( Blue )   GNSS     GNSS   RG-174 with SMA Jack & SMA Plugs ( Blue )   GNSS     GNSS   RG-174 with SMA Jack & SMA Plugs ( Blue )   GNSS     GNSS   RG-174 with SMA Jack & SMA Plug ( Yellow )   GNSS     Operating Temperature   -40° to +80° C   -40° to +80° C     Mounting   J/8" Dia. Feed Through out to 1/2" Thick Surface   -40° to +80° LTP = 1/2" Thick Surface     Shock & Vibration   IEEE1478, EN613T   MIL-810G, TIA 329.2-C	Radome Material & Color				
1ft Pigtail Cables &   LTE   LTE-A (Green ) & LTE-B (Red)     2000   WiFi   LMR-100 with SMA Plugs (Blue )     Exiting Antenna   GNSS   RG-174 with SMA Plug (Yellow)     2010   LTE   LL-195 with SMA Jack & SMA Plugs LTE-B (Red)     14ft Jumper Cables &   WiFi   LL-195 with SMA Jack & SMA Plugs LTE-B (Red)     2011   Mumper Cables &   WiFi   LL-195 with SMA Jack & SMA Plugs (Blue)     2012   GNSS   RG-174 with SMA Jack & SMA Plugs (Blue)     2014   GNSS   RG-174 with SMA Jack & SMA Plugs (Blue)     2015   GNSS   RG-174 with SMA Jack & SMA Plugs (Blue)     2016   GNSS   RG-174 with SMA Jack & SMA Plugs (Blue)     2017   GNSS   RG-174 with SMA Jack & SMA Plugs (Blue)     2018   GNSS   RG-174 with SMA Jack & SMA Plugs (Blue)     2019   -40° to +80° C   GNSS     2019   7/8" Dia. Feed Through 3/4" Ig. Thread for up to 1/2" Thick Surface     2014   IEEE1478, EN613T3, MIL-810G, TIA 329.2-C	Radome Dimension				
Exiting Antenna   Wiri   LMR-100 with SMA Plugs (Blue)     GNSS   RG-174 with SMA Plug (Yellow)     Including   LTE   LL-195 with SMA Jack & SMA Plugs (Ellow)     14ft Jumper Cables & Connectors   WiFi   LL-195 with SMA Jack & SMA Plugs (Blue)     GNSS   RG-174 with SMA Jack & SMA Plugs (Blue)   RG-174 with SMA Jack & SMA Plugs (Blue)     Operating Temperature   -40° to +80° C   RG-174 with SMA Jack & SMA Plug (Yellow)     Operating Temperature   -40° to +80° C   -40° to +80° C     Mounting   7/8" Dia. Feed Through 3/4" Ig. Thread for up to 1/2" Thick Surface     Shock & Vibration   IEEE1478, EN61373, MIL-810G, TIA 329.2-C	Connectors	LTE			
Including   GNSS   RG-174 with SMA Plug (Yellow)     14ft Jumper Cables & Connectors   LL-195 with SMA Jack & SMA Plugs (LTE-A (Green ) & LTE-B (Red)     WiFi   LL-195 with SMA Jack & SMA Plugs (Blue)     GNSS   RG-174 with SMA Jack & SMA Plugs (Blue)     Operating Temperature   -40° to +80° C     Mounting   7/8" Dia. Feed Through 3/4" Ig. Thread for up to 1/2" Thick Surface     Shock & Vibration   IEEE1478, EN6137, MIL-810G, TIA 329.2-C		WiFi	LMR-100 with SMA Plugs ( Blue )		
Including 14ft Jumper Cables & Connectors   WiFi   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" Dia. Feed Through 3/4" Ig. Thread for up to 1/2" Thick Surface     Shock & Vibration   IEEE1478, EN6137. MIL-810G, TIA 329.2-C		GNSS	RG-174 with SMA Plug ( Yellow )		
14ft Jumper Cables & Connectors WiFi 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" Dia. Feed Through 3/4" Ig. Thread for up to 1/2" Thick Surface   Shock & Vibration IEEE1478, EN61373, MIL-810G, TIA 329.2-C	14ft Jumper Cables &	LTE			
GNSS RG-174 with SMA Jack & SMA Plug (Yellow)   Operating Temperature -40° to +80° C   Mounting 7/8" Dia. Feed Through 3/4" Ig. Thread for up to 1/2" Thick Surface   Shock & Vibration IEEE1478, EN61373, MIL-810G, TIA 329.2-C		WiFi			
Mounting 7/8" Dia. Feed Through 3/4" Ig. Thread for up to 1/2" Thick Surface   Shock & Vibration IEEE1478, EN61373, MIL-810G, TIA 329.2-C		GNSS			
Mounting3/4" Ig. Thread for up to 1/2" Thick SurfaceShock & VibrationIEEE1478, EN61373, MIL-810G, TIA 329.2-C	Operating Temperature	-40° to +80° C			
,	Mounting				
Water Ingress IP 67 (When Properly Mounted )	Shock & Vibration	IEEE1478, EN61373, MIL-810G, TIA 329.2-C			
	Water Ingress	IP 67 (When Properly Mounted)			



Connect What's Critical"



#### MULTI-BAND ANTENNA

#### LTMWG944A3CB3CW3JG2C-WHT-180

LTE-A Cables				
LTE-B Cables —				
WiFi Cables ———				
GNSS				
Color	1			
Cable Length ( in inches )				

#### HIGHLIGHTS:

- Multiband:
- 4x LTE, 4x WiFi, 1x GNSS Dual-Carrier MIMO
- Covers 694 3700 MHz
- 1 ft Cable Pigtails Exit Antenna; 14 ft Cable Jumpers Provided
- Color Coded Cable Type for EASY Match-Up
- Made-in-the-USA & UK

#### **RELATED MODELS:**

- LTMWG943 ( 3x WiFi )
- LTMWG942 ( 2x WiFi )
- LTMWG941 (1x WiFi)
- LTMWG940 ( NO WiFi )
- LTMW944 (GPS Model)

#### COMMON APPLICATIONS:

- Vehicle Fleet Management
- WiFi Data Transfer
- Multiband Modems
- Public Transportation



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