

LTMG943

MULTIBAND SURFACE MOUNT ANTENNA

PRODUCT OVERVIEW

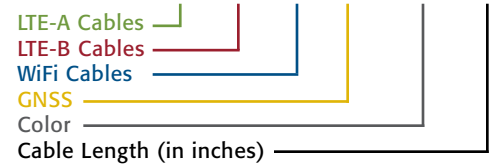
The LTMG943 is a 8-cable antenna with 4x LTE, 3x WiFi6e and 1x GNSS. With 8-elements, the LTMG943 antenna provides a good match for the dual carrier modems that contain two pairs of LTE MIMO elements, one pair for each carrier. These fleet management systems offer Cellular carrier back-up. The 3x WiFi elements provide faster through-put for the advanced WiFi processors with coverage up to 7.2 GHz. Specify LTM943 for a model configured with GPS only. Visit our [eStore](#) to purchase an Antenna Online.

Electrical Specifications		
Frequency & Gain	LTE Cables 1 - 4	694 - 960 MHz, 2 dBi 1710 - 3700 MHz, 5 dBi
	WiFi 6E Cables 5 - 7	2.4 - 2.5 & 4.9 - 7.2 GHz, 5 dBi
	GNSS Cable 8	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	2.7 to 5 VDC
	Gain	26 dB +/- 3 dB
	Current	20 mA max, 10 mA typical

Mechanical Specifications		
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black or White	
Radome Base Material	Corrosion Resistant Aluminum	
Radome Dimension	5.50" (139 mm) in Diameter & 2.38" (60 mm) in Height	
1ft (304.8 mm) Pigtail Cables & Connectors Exiting Antenna	LTE	LMR-100 with SMA Plugs LTE-A (Green) & LTE-B (Red)
	WiFi	LMR-100 with SMA Plugs (Blue)
	GNSS	RG-174 with SMA Plug (Yellow)
Including 14ft (4.26 m) Jumper Cables & Connectors	LTE	LL-195 with SMA Jack & SMA Plugs LTE-A (Green) & LTE-B (Red)
	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" (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	
Dust & Water Ingress	IP69K (Stud Mount, When Properly Mounted)	
	IP67 (Mag-Mount, When Properly Mounted)	
RoHS Compliant	Yes	



LTMG943-A3CB3CW3JG2C-WHT-180



HIGHLIGHTS:

- Multiband: 4x LTE, 3x WiFi 6E, 1x GNSS
- WiFi 6E Up to 7.125 GHz, WiFi 7 ready
- Dual-Carrier MIMO, Covers 617 - 3700 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:

- LTMWG943 (Wider 5G Freq)
- LTMG944 (4x WiFi)
- LTMG942 (2x WiFi)
- LTMG941 (1x WiFi)
- LTMG940 (NO WiFi)
- LTM943 (GPS Model)

COMMON APPLICATIONS:

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



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