

MXG943

SURFACE MOUNT MIMO ANTENNA

PRODUCT OVERVIEW

The MXG943 Antenna (4x 5G/LTE, 3x WiFi 6E, 1x GNSS) provides complete coverage across global Cellular and WiFi 6E frequency bands, along with operation over GNSS frequencies. GNSS operates on GPS, Galileo, GLONASS, QZSS, and BeiDou at 1561, 1575, and 1602 MHz. Multiple WiFi 6E and Cellular antenna elements provide MIMO coverage for both. This array of elements allows for a highly versatile antenna while maintaining an aerodynamic, sleek, and compact form, with all 8 elements contained within the narrow profile of the MX series radomes. This series is ideal for Public Safety and Emergency vehicles such as the Ford Police Interceptor.

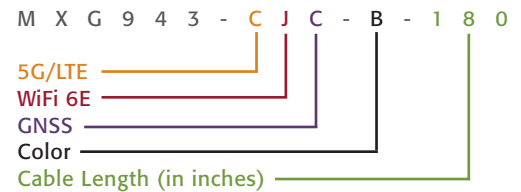
*Specify MXG943-CJC-B-180 for the version with GNSS and SMA Connectors.

*Specify MXG943-HAHVHC-B-180 for the version with GNSS and Fakra Connectors.

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

Electrical Specifications		
Frequency & Gain	5G/LTE Cables 1 - 4	617-960 MHz, 3 dBi Peak 1710-7200 MHz, 5 dBi Peak
	WiFi 6E Cables 5 - 7	2.4-2.5 GHz, 5 dBi Peak 4.9-7.2 GHz, 5 dBi Peak
	GNSS Cable 8	1561, 1575 & 1602 MHz, 5 dBi Peak
VSWR	5G/LTE - < 2.5:1 Over Range WiFi 6E - < 2:1 Over Range	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts	
GNSS	Amplifier Gain & Bias Voltage	26 dB, 5 dBi 3/5 VDC
	Current	20 mA max, 10 mA typical

Mechanical Specifications	
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black or White
Radome Dimension	2.50" Wide (63.5 mm) x 9.00" Length (228 mm) x 2.60" Height (66 mm)
Standard Connectors	5x SMA Plug for 5G/LTE and GNSS 3x Rev Pol SMA Plug for WiFi 6E SMA Jack for All Jumper Cables
1 Foot (0.30m) Cables 14 Feet (4.27m) Jumper Cables	RG-316 Cables for 5G/LTE and WiFi 6E RG-174 Cable for GNSS
Operating Temperature	-40° to +80° C
Mounting	Stud Mount - 7/8" Dia. (22.22 mm) feed through. 3/4" lg. (19 mm) thread for up to 1/2" (12.7 mm) surface
Dust & Water Ingress	IP67 (When Properly Mounted)
Shock and Vibration	IEEE1478, EN61373, MIL-810G, TIA 329.2-C
RoHS Compliant	Yes



HIGHLIGHTS:

- 8 Cables (4x 5G/LTE, 3x WiFi 6E, 1x GNSS)
- MIMO 5G/LTE & WiFi 6E
- Mobile, Surface Mount
- Made-in-the-USA & UK

RELATED MODELS:

- LTMWG944 (4x 5G/LTE, 4x WiFi 6E, 1x GNSS)
- MXFG708 (2x 5G/LTE, 4x WiFi 6E, 1x GNSS)
- LTMG708 (2x 5G/LTE, 4x WiFi 6E, 1x GNSS)

COMMON APPLICATIONS:

- Public Safety Vehicles
- Fleet Management
- Public Transportation
- Installations Requiring Sleek Profile
- Fits Between Roof Ridges of the Ford Interceptor SUV

BANDS:

- 5G: n1,n2,n3,n5,n7,n8,n12,n20,n25,n28,n34,n38,n39,n40,n41,n66,n70,n71,n77,n78,n79,n80,n81,n82,n83,n84
- LTE: 1,2,3,4,5,6,7,8,9,10,12,13,14,17,18,19,20,22,23,25,26,27,28,29,30,33,34,35,36,37,38,39,40,41,42,43,44,46,47,48,49,52,53,54,66,67,68,69,70,71,85,252,255



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