

MXG945

SURFACE MOUNT MIMO ANTENNA

PRODUCT OVERVIEW

The MXG945 Antenna (4x 5G/LTE, 5x WiFi 6E/7, 1x GNSS) provides complete coverage over all Cellular and WiFi 6E Frequencies, along with operation over GNSS Frequencies. GNSS operates on GPS, Galileo, Glonass, QZSS and Beidou at 1561, 1575, & 1602 MHz. Multiple WiFi 6E and Cellular elements provide MIMO coverage for both. This array of elements allows for a highly versatile antenna, while still managing to maintain an aerodynamic, sleek, and compact form, with all 10 elements being 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.

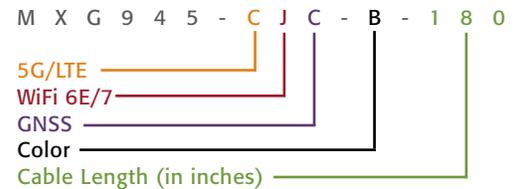
*Specify MX945-CJC-B-180 for the version with GPS and SMA Connectors.

*Specify MXG945-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 1400-7200 MHz, 5 dBi Peak
	WiFi 6E/7 Cables 5 - 9	2.4-2.5 GHz, 5 dBi Peak 4.9-7.2 GHz, 5 dBi Peak
	GNSS Cable 10	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 5x Rev Pol SMA Plug for WiFi 6E SMA Jack for All Jumper Cables
1 Foot (0.30m) Cables 14 Feet (4.27m) Jumper Cables	LMR-100 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:

- 10 Cables (4x 5G/LTE, 5x WiFi 6E/7/BT, 1x GNSS)
- MIMO 5G/LTE & WiFi 6E/7/Bluetooth
- Mobile, Surface Mount
- Made-in-the-USA & UK

RELATED MODELS:

- MXG944 (4x 5G/LTE, 4x WiFi 6E/7, 1x GNSS)
- LTMWG945 (4x 5G/LTE, 5x 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,



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