GMAX900 Series

SURFACE MOUNT ANTENNA + INTEGRATED NMO MOUNT

PRODUCT OVERVIEW

The GMAX900 Series is a multiband vehicle antenna platform designed to consolidate cellular, WiFi, GNSS, and LMR connectivity into a single rugged surface-mount housing. Built for multi-radio vehicle systems, the GMAX900 Series supports 4x4 MIMO LTE/5G/RedCap, up to 4x4 MIMO WiFi 6E, GNSS, and external two-way radio antennas through a standard NMO interface.

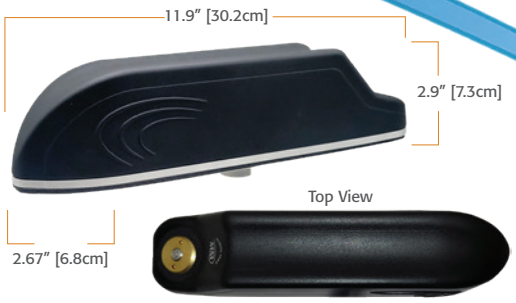
- **Configurable & Versatile**: Supports cellular, WiFi 6E, GNSS, and NMO-mounted LMR antennas for VHF, UHF, and 700/800 MHz radio systems.
- **Vehicle-Ready Design**: Low-profile rugged radome, corrosion-resistant metal base, and surface-mount installation for public safety, utility, fleet, and emergency vehicles.

Tested and trusted, Mobile Mark focuses on quality, fast delivery, and leveraging the expertise of highly skilled professionals, specializing in customizable manufacturing solutions across North America and Europe. By combining advanced technologies with comprehensive team knowledge, we ensure tailored products that meet diverse needs, all delivered efficiently to exceed expectations.

To Purchase, visit www.TheAntennaStore.com.

Electrical Specifications		
Frequency & Gain	5G/LTE	617-960 MHz, 2 dBi typ. 1427-7200 MHz, 4 dBi typ.
	WiFi 6E	2400-2500 MHz, 2 dBi typ. 4900-7200 MHz, 4 dBi typ.
	GNSS	1561, 1575 &1612 MHz, 4 dBiC antenna
VSWR	< 2.5:1 Over Range	
Impedance	50 Ohm Nominal	
Power Rating	10 Watts Maximum	
NMO Power Rating	100 Watts Maximum	
GPS/GLONASS	Band	GPS L1, Galileo E1, GLONASS L1, BeiDou B1, QZSS L1C
	Gain	LNA 26 dB ± 3 dB
	Bias	+3 to +5 VDC / 10mA typ., 20 mA max.
	Noise Figure	1.7 dB typ., 2.0 dB max.

Mechanical Specifications		
Radome Material & Color	ASA UV-Inhibitive Plastic, Available in Black or White	
Base Material	Aluminum with foam gasket	
Radome Dimension	11.9" L (30.2 cm) x 2.67" W (6.8 cm) x 2.90" H (7.3 cm)	
Weight	TBD	
1 ft (305 mm) Pigtail Cables & Connectors Exiting Antenna	5G/LTE	4x RG-316 with SMA Plugs (LTE-A Green & LTE-B Red)
	WiFi 6E	Up to 4x RG-316 with SMA Plugs (Blue)
	GNSS	RG-174 with SMA Plug (Yellow)
	NMO Mount	White Teflon cable, custom connector
NMO Mount Compatibility	Compatible with most Comtelco NMO antennas, excluding 3" (7.62 cm) and 4.25" (10.8 cm) diameter models	
Custom Jumper Options	Cable type, length, and connector options available	
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 thickness	
Shock & Vibration	TBD	
Dust & Water Ingress	TBD	
RoHS Compliant	Yes	



HIGHLIGHTS:

- 4x 5G/LTE elements covering 617-960 MHz and 1427-7200 MHz
- Up to 4x WiFi 6E/Bluetooth elements covering 2.4-2.5 GHz and 4.9-7.2 GHz
- 1x GNSS element supporting GPS, Galileo, GLONASS, BeiDou, and QZSS
- Integrated NMO mount supports Comtelco LMR antennas
- Manufactured North America & Europe

COMMON APPLICATIONS:

- Public Safety Vehicles
- Fleet Management
- Public Transportation
- Utility and Service Vehicles
- Mobile Command / Incident Response

BANDS:

- 5G: n1, n2, n3, n4, n5, n6, n7, n8, n12, n13, n14, n18, n20, n24, n25, n26, n28, n29, n30, n34, n38, n39, n40, n41, n46, n47, n48, n50, n53, n54, n65, n66, n67, n70, n71, n74, n75, n76, n77, n78, n79, n80, n81, n82, n83, n84, n85, n86, n89, n90, n91, n92, n93, n94, n95, n96, n97, n98, n99, n100, n101, n102, n104, n105, n106, n109

- LTE: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 17, 18, 19, 20, 21, 22, 23, 25, 26, 27, 28, 29, 30, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 65, 66, 67, 68, 69, 70, 71, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 89, 90, 95, 96, 98, 100, 101, 102, 103, 104, 105, 106, 107, 252, 255

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