

MXF502 Multi-band 5-cable LTE, WIFI & GPS



- 5-cables: two for Cellular & LTE, two for WiFi, and one for GPS
- WiFi elements can be used for WiFi MIMO or for separate WiFi modems
- Available with GPS or with combination GPS/Glonass

Mobile Mark's MXF502 Series Multiband Diversity/MIMO antenna contains five separate antenna elements, all in one compact antenna housing: two broadband LTE/Cellular antennas, two dual-band WiFi antennas, and one GPS antenna. The MXF502 covers Cellular LTE frequencies from 694-3700 MHz.

With five elements, the new MXF502 antenna is ideal for fleet management systems that combine GPS with both an LTE 2xMIMO modem as well as a WiFi 2xMIMO Modem.

The New MaxFin Antenna has been well received because it is compact, attractive and high performance. The antenna housing contains a stylish combination of matte & polished finish, providing a sleek, high-tech look on the vehicle.

Measuring 7.5" (19cm) long x 2.25 (5.7cm) wide x 2.5" (6.4cm) tall the MXF502 series antennas take up significantly less space than multiple antennas. This antenna is also available in a mag-mount version; the magmount style is popular for system testing when the antenna needs to be moved quickly and easily from car to car. The model number for the mag-mount version starts with MMXF.

Model Configurator

MXF502 -

Cable/Conn 1

Cable/Conn 2

Cable/Conn 3

Cable/Conn 4

Cable/Conn 5

Color

Cable Length in Inches (eg. 12 or 180)

Example: MXF502-3C3C3J3J2C-BLK-180
 MMXF502-3C3C3J3J2C-BLK-180(Mag mount)

Specify "MXFG" instead of "MXF" for GPS/Glonass combination antennas

<u>Cable Options:</u>	<u>Connector Options:</u>	<u>Color Options:</u>
<u>Code</u> <u>Cable</u>	<u>Code</u> <u>Connector</u>	<u>Code</u> <u>Color</u>
2 RG-174	C SMA	BLK Black
3 LL-195	J RP SMA	

(Other Configurations available.)

Specifications			
Frequency & Gain (peak): Cable 1 & 2 (Global LTE)	694-960 MHz, 3 dBi 1710-3700 MHz, 4 dBi	MMXF Dimensions	7.5"L x 2.25"W x 2.95"H (19cm x 5.7cm x 7.5cm)
Cable 3 & 4 (WiFi)	2.4-2.5 & 4.9-6 GHz, 5 dBi	Radome Material:	ASA UV-Stable Plastic
Cable 5 (GPS)	1575 MHz, 26 dB, 5 dBi	Operating Temperature:	-40° to +80° C
GPS & Glonass option	1575 MHz & 1602 MHz	Connectors, standard:	SMA Plugs (male) standard
VSWR:		Cable:	
LTE	2:5:1 VSWR over Range	Cable 1-4	LL-195, 15 ft (4.5m)
WiFi	2:1 VSWR over Range	Cable 5 (GPS and GPS/Glonass)	RG-174, 15 ft (4.5 meters)
Impedance:	50 Ohm Nominal	Mounting:	Stud mount (5/8-24 Thread) Mounts to surfaces .20" (5mm) thick
Maximum Power:	10 Watts	MMXF Mount:	Mag Mount
GPS			
Amplifier Bias:	3.3/5 VDC		
Noise Figure:	2.0 dB max, 1.7 dB typical		
Current:	20 mA max, 10 mA typical		
MXF Dimensions:	7.5" x 2.25" x 2.5 (19cm x 5.7cm x 6.4cm)		