

MULTIMAX™ FV

2-in-1 Compact External IP65 Antenna

MULTIMAX FV is a full outdoor antenna equipped with two ports available pre-configured to connect directly to any vehicular router or modem, designed specifically to provide high performance connectivity for Fleet and Public Safety vehicles and assets connecting to almost any vehicular router or modem. This antenna is configurable and offers up to two high gain cellular/LTE/MIMO antennas, which include support for LTE Band 14 for FirstNet antenna inside a single robust and compact housing.

- 2 x Wideband Cellular/LTE Elements (MIMO)
- Two embedded antenna technologies that operate over multiple bands in one housing
- Leading LTE performance while in coexistence with multiple other embedded antenna technologies
- Lower profile and smaller footprint than competing solutions
- USA factory ensures fast turnaround customizations
- High gain provides bigger cellular footprint
- Must be mounted on metal
- Available in black or white
- US Patent 10109918

Descriptions/Applications

The MULTIMAX FV antenna builds on the best in class RF performance, leading design features, and extended operational life of our highly successful Fleet and Public Safety Antenna products. This new product line also offers a rugged low-profile design which gives you greater protection against all the natural hazards a vehicle faces including vibration, hot, cold, ice, salt, dirt, car washes, and tree branch sweeps. Our antennas typically outlast the life of a vehicle.

Standard Configurations

AP-MMF-CC-Q-S22-BL-15	MIMO Cell/LTE x 2, Threaded Bolt Mount, SMA on Cell/LTE, Black, 15ft coax
AP-MMF-CC-A-S22-BL-15	MIMO Cell/LTE x 2, Adhesive Mount, SMA on Cell/LTE, Black, 15ft coax
AP-MMF-CC-M-S22-BL-15	MIMO Cell/LTE x 2, Magnetic Mount, SMA on Cell/LTE, Black, 15ft coax

Also available in color white, customizable cable lengths up to 35 feet, and other connector variations.



Optimal MIMO Performance for LTE



Compact and Robust UV Resistant Housing



Full Outdoor Installation Ready



Customizable Cables and Connectors to Connect to Any Modem



Fast custom turnaround time



Low loss cable accessories



Bolt Mount with Adhesive Pad



Adhesive Mount



Magnetic Mount

Electrical Data

Frequency Range	Elements 1 & 2	698-960/1700-2700 MHz
Operational Bands	Elements 1 & 2	LTE/Cellular
Peak Gain: Isotropic	Elements 1 & 2	698-960 MHz 3 dBi
		1710-2700 MHz 6.5 dBi
Isolation	Elements 1 & 2	> 10 dB
Correlation Co-efficient	Elements 1 & 2	< 0.1

Environmental Data

Hazardous Substances	RoHS Compliant
Temperature	-55°C to 85°C (-67°F to +185°F) Operating and Storage conformance to MIL-STD-810G Method 501.5
Humidity (Non-Condensing)	5% to 96% Operating and Storage conformance to IEC 60068
Water Ingress	IP65
Military Spec	MIL-STD 810G conformance to vibration

Mounting Data

Dimensions	Height	2.47" (62.6mm)
	Width	2.44" (62.1mm)
	Length	6.34" (161mm)
Color	Black (BL) or White (WH)	

Cable Data

Cell/LTE	Type	CFD195 Low Loss
	Diameter	0.195" (4.953 mm)
	Length	1 feet (0.3 m)
	Termination	SMA Male