

OPTOMX[®] M2M MIMO

Salt Shaker LTE MIMO IP67 Antenna

OPTOMX M2M MIMO is a MIL-STD-810G qualified fully rugged outdoor antenna designed specifically for M2M applications. This antenna provides best in class performance, providing two high gain cellular/LTE antennas inside a single robust and compact housing. OPTOMX is the first antenna in this form factor to support MIMO operation, providing a unique single antenna installation in place of the traditional dual antenna installation where MIMO is required.

- Covers All Cellular/LTE Frequencies Globally
- 2 x Wideband Cellular/LTE Elements (MIMO)
- Lower profile and smaller footprint than competing solutions
- Must be mounted on metal
- Available in black or white
- MIL-STD-810G qualified
- US Patent 10109918

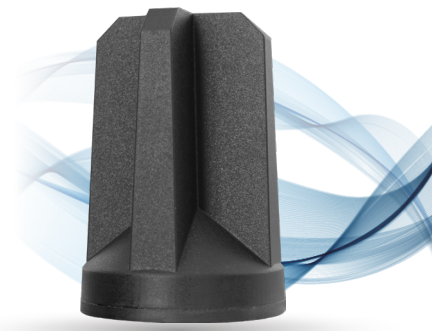
Descriptions/Applications

The OPTOMX M2M MIMO antenna builds on the best in class RF performance, leading design, features, and extended product life tradition of this highly successful product line. Ideal for charging stations, kiosks, digital signage, NEMA enclosures, wireless ATMs, vending machines, industrial metering and other wireless machine to machine applications. This antenna has been designed to mount externally to an M2M or IoT enabled asset, and requires no servicing through its life time.

Standard Configurations

AP-M2M3-CC-Q-S22-BL-10 MIMO Cell/LTE x 2, Threaded bolt mount, SMA x 2, Black, 10ft 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



Low loss cable accessories



Fast custom turnaround time



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	3.5 dBi
		1710-2700 MHz	5.0 dBi
Isolation	Elements 1 & 2		> 10 dB
Correlation Co-efficient	Elements 1 & 2		< 0.3

Environmental Data	
Hazardous Substances	RoHS Compliant
Temperature	-40°C to 65°C (-40°F to + 149°F) Operating and Storage conformance to IEC 60068
Humidity (Non-Condensing)	5% to 96% Operating and Storage conformance to IEC 60068
Water Ingress	IP67
Military Spec	MIL-STD 810 conformance to vibration

Mounting Data	
Dimensions	Height 3.62" (92mm)
	Diameter 2.49" (63.3mm)
Color	Black (BL) or White (WH)

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