

M2M SN/SB

Salt Shaker LTE IP67 Antenna

M2M SN/SB is a MIL-STD-810G qualified fully rugged outdoor antenna designed specifically for M2M applications. This antenna provides best in class performance, providing high gain cellular/LTE antenna inside a single robust and compact housing. Two versions of the antenna are available; one with a N-type connection and one with a bolt mount and a coaxial cable terminating with a SMA connector.

- Covers all cellular/LTE frequencies globally
- Ground plane independent
- Available in black or white
- MIL-STD-810G qualified

Descriptions/Applications

The M2M SN/SB 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 a M2M or IoT enabled asset, and requires no servicing throughout its life time.



Compact and Robust
UV Resistant Housing



Full Outdoor
Installation Ready



Fast custom
turnaround time



Low loss cable
accessories

Standard Configurations

AP-M2M-SN-BL	Cell/LTE, N bulkhead Connector, Black
AP-M2M-SB-S2-BL-6	Cell/LTE, Threaded bolt mount, SMA, Black, 6ft coax

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

Electrical Data

Frequency Range	Element 1		698-960/1700-2700 MHz
Operational Bands	Element 1		LTE/Cellular
Peak Gain: Isotropic	Element 1	698-960 MHz	3.0 dBi
		1710-2700 MHz	6.0 dBi

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	3.24" (82.2mm)
	Diameter	1.64" (42.5mm)
	Bolt Diameter	5/8-24UNEF-2A
	Bolt Length M2M SN	20.5 mm
	Bolt Length M2M SB	24.5 mm
Color	Black (BL) or White (WH)	

Cable Data

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