

EM-900/2400

PRODUCT OVERVIEW

The EM-900/2400 features an innovative PCB flexible circuit board material that bends and contours. In addition, this allows the antenna to fit in almost any space or enclosure. Our antennas have been used in applications as diverse as smart meters and vending machines.

This flexible antenna functions on the ISM 863-928 MHz and 2.4-2.5 MHz bands with 2 dBi gain, and terminates with U.FL connectors.

The antenna measures only 3.20" (81mm) in length and 0.60" (24mm) wide. The EM-900/2400 is a compact embedded antenna that can be mounted inside wireless devices or access points that are used in a wide variety of different M2M and ISM settings. This slim profile (.20 mm) antenna mounts with VHB tape.

Mobile Mark has the experience to design just the right antenna for your device. We offer state of the art design capabilities, including 3-D simulations using design software. We also offer in-house prototype development for quick turn-around.

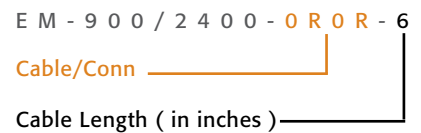
Visit our eStore to customize a compact embedded Antenna Online.

Electrical Specifications	
Frequency & Gain	Cable 1: 863-928 MHz, 2 dBi Peak Cable 2: 2400-2500 MHz, 2 dBi Peak
Isolation	863-928 MHz, 18 dB 2400-2500 MHz, 7 dB
VSWR	2.1 max over all bands
Impedance	50 Ohm Nominal
Power Rating	5 Watts

Mechanical Specifications	
Radome Dimension	3.2" Length x .60 Width" (81mmx 24mm)
Standard Connectors	U.FL
Cables 1 & 2	RG-178, 6" (152mm)
Operating Temperature	-30° to +80° C
Mounting	Mounting Tape included. Typ Install on .060 thick ABS Material



Embedded ISM ANTENNA



HIGHLIGHTS:

- Dual Feed Embedded
- Extremely Compact
- ISM at 863-928 / 2400-2500 MHz
- Made-in-the-USA & UK

RELATED MODELS:

- EM-UMB (Internal Circuit Board)
- EM-900/1900 (Smaller Freq. 1x MIMO)
- EM-700/2700 (Wider Frequency, LTE Cov.)
- EM-LTE (LTE Flexible Internal Strip)

COMMON MARKETS:

- Medical IoT
- Industrial IoT
- ISM & LoRaWAN
- Embedded Applications
- Smart Cities & Vending Machines



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