

Portable Antennas for Data Transfer Applications

These portable rubber duck antennas are designed to cover multiple data frequencies for Wi-Fi applications. Their rugged, flexible design makes them suitable for use in a wide variety of applications, including office LAN environments, factory floors, remote telemetry and other harsh environments.

Features

- Ground plane independent, half-wave coaxial dipole design. Provides improved antenna performance, higher gain and installation flexibility.
- Flexible design provides added durability that allows use in demanding wireless environments.
- Articulating knuckle provides 0°-90° pivot and 180° swivel movement allowing vertical orientation of the antenna, regardless of the orientation or position of the wireless device. (All models except MEXE902RPSM).



MEXR902TN

MEXE902RPSM



Technical Data

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| General Specifications: Portable Antennas |
| Special Features: 360° swivel, 0°-90° knuckle (all models except MEXE902RPSM) |
| Maximum Power: 50 watts |
| Polarization: Vertical, linear |
| Nominal Impedance: 50 ohms |
| VSWR at Resonance: < 1.5:1 |
| Wave Length: 1/2 wave 1/4 wave (MEXE902RPSM only) |

Antenna Electrical Specifications

| Model | Frequency Range | Factory Tuned Frequency | Gain |
|----------------|-----------------|-------------------------|---------|
| MEXE902RPSM | 902-960 MHz | 915 MHz | 2.0 dBi |
| MEXR902TN | 902-960 MHz | 915 MHz | 2.5 dBi |
| MHWS2400MSMA | 2.3-2.5 GHz | 2450 MHz | 2.0 dBi |
| MHWS2400MTNCRP | 2.3-2.5 GHz | 2450 MHz | 2.0 dBi |

Mechanical Specifications

| Model | Connector Type | Antenna Height | Temperature Range |
|----------------|---------------------------|-----------------|-------------------|
| MEXE902RPSM | Reverse Polarity SMA Plug | 9.5" (241.3 mm) | -40°C to +85°C |
| MEXR902TN | TNC Plug | 9.5 (241.3 mm) | -40°C to +85°C |
| MHWS2400MSMA | SMA Plug | 4.5" (114.3 mm) | -40°C to +85°C |
| MHWS2400MTNCRP | Reverse Polarity TNC Plug | 5.7" (144.8 mm) | -40°C to +85°C |