



Portable Antennas for Data Transfer Applications

These portable rubber duck antennas are designed to cover multiple data frequencies, including 902-928 MHz ISM, 2400-2483.5 MHz and 5725-5825 MHz WiFi. 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 MEXC902SM, MEXE902SM).

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	2400-2483.5 MHz	2450 MHz	2.0 dBi
MHWS2400MTNCRP	2400-2483.5 MHz	2450 MHz	2.0 dBi

Technical Data

General Specifications: Portable Antennas
Special Features: 360° swivel, 0°-90° knuckle
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 (MEXC902SM only)
Connector Type: See Mechanical Specifications

Mechanical Specifications

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

For detailed specifications, visit <http://antenna.pctel.com>.