



## 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

<b>General Specifications:</b> Portable Antennas
<b>Special Features:</b> 360° swivel, 0°-90° knuckle
<b>Maximum Power:</b> 50 watts
<b>Polarization:</b> Vertical, linear
<b>Nominal Impedance:</b> 50 ohms
<b>VSWR at Resonance:</b> < 1.5:1
<b>Wave Length:</b> 1/2 wave 1/4 wave (MEXC902SM only)
<b>Connector Type:</b> 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>.