



M1009 2.4GHZ 9dBi Mobile Antenna

Data Sheet 012304

Main Features

- Robust 9dBi antenna designed for vehicle mounted applications
- Omni-directional with excellent circularity
- Ideal for providing wireless LAN connectivity to vehicles
- Robust aluminium mounting bracket
- For best results the antenna should be mounted through the vehicle body, a metal mounting bracket or roof rack to provide a ground plane (see optional mounting brackets).
- Designed & manufactured in Australia
- 24-month warranty
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Electrical Specifications

| | |
|----------------------|--------------|
| Frequency | 2400-2500MHz |
| Minimum Gain | 9dBi |
| Vertical Beamwidth | 10° |
| Horizontal Beamwidth | 360° |
| Electronic beam tilt | -1° |
| Return loss | -15dB |
| Impedance: | 50 Ohms |
| Power: | 50 Watts |
| Polarisation: | Vertical |
| VSWR: | <1:1.5 |

Optional Mounting Brackets

The antenna can be bolted directly to a horizontal surface on the vehicle by using the three holes in the antenna flange.

Alternatively, two optional stainless steel mounting kits are available for mounting on vertical surfaces, roof racks, bull bars etc :

- Flat bracket (#211009)
- L-bracket (#211010)

Mechanical Specifications

| | |
|---------------------|---------------|
| Standard Connector: | N-Female |
| Total Mass | 1Kg |
| Overall length | 1050mm |
| Below ground plane | 80mm |
| Mounting PCD | 38mm |
| Total length | 660mm |
| Temperature range | -10°C to 60°C |

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