



This active RFID whip antenna has been designed for optical RF reception with the Wavetrend reader range. It is UV resistant and can be used in outdoors with rugged waterproof rubber housing.

This L-AN100 Wavetrend whip antenna operates over a frequency range from 400MHz to 450MHz. It has been designed for optimal RF reception with the Wavetrend reader range and attaches to the reader via a BNC(M) connector. The RFID whip RFID antenna has an Omni-directional reception pattern around the vertical axis with null points being at the extreme ends of the stub. Its maximum power is 100W and has a impedance of 50Ohms. Additionally, the antenna is UV resistant and can be used in outdoors with rugged waterproof rubber housing.





Technical Specifications

| | |
|-----------------------------|--|
| Size | 174mm x 15mm tapered to 6mm diameter |
| Finish | UV resistant black rubber coating |
| Mass | ≤ 25gram |
| Temperature range | -40°C to 70°C |
| Environmental specification | Conforms to ETS 300 019 |
| Antenna type | Eighth wave whip |
| Frequency band | 400 MHz to 450 MHz |
| Gain at connector | -3 dBi (with reference to a 1/8 wave ground plane) |
| VSWR | <1.5:1 |
| Impedance | 50 Ohms |
| Maximum power | 100W |
| Connector | BNC (M) |





GAO RFID Inc.

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Product Overview

Active RFID Whip Antenna (304001)



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