

Anteena for Document and Warehouse

Overview

Original appearance designed high-end UHF RFID Antenna, high gain but low standing-wave ratio brings best performance. Engineering plastic housing, IP66 rugged. Widely used with our Pegasus RA102 fixed reader for assets tracking, warehouse management, intelligent traffic management, vehicle tracking, production line management, intelligent weight measurement etc..



Features

Powerful: Max RFID performance, reading distance up to 1-15m max 9-20m

Advanced: Excellent multi-tag reading function, >400time each second

Industrial: IP66 rugged, applying to kinds of severe environment

Wide using: Best for long reading distance application such as warehousing, logistic, production

Long Range: High RFID Performance, 9dBi power gain, Max 20m range (with Pegasus fixed RFID reader)

High Protection: Water-proof and anti-dust, IP66 level, Rugged housing design, for outdoor applications

| Physical | |
|-------------------------|------------------------------------|
| Size: | 290mm×290mm×55mm |
| Weight: | 600g |
| Housing Material: | Aluminum + Engineering plastic ASA |
| Protection level: | IP66 |
| Performance | |
| Frequency: | 840-960MHz adjustable |
| Gain | 9 dBi |
| “H”beam angle | 70° |
| “E” beam angle | 70° |
| Front-back | ≥20 dB |
| Polarization | Right Circular or Left Circular |
| Impedance | 50 (Ω) |
| VSWR | <1.3:1 |
| Maximum Input Power | 100W |
| Connector | SMA- male or Customizable |
| IM.3rd Order(2x43dBm) | <-150dBc |
| Lightning Protection | DC to ground |
| Operational Environment | |
| Working Temperature: | -30 - +70°C |
| Storage Temperature: | -40 - +85°C |
| Atmospheric Pressure: | 86kPa ~ 108kPa |
| Relative Humidity: | 5%-95% RH no condensing |

