

RFID UHF ANTENNA

IDT 9 dBi



UHF



IP 67

Rugged
DesignEasy
Installation

Low Cost

IDT 9 dBi linear/circularly polarized UHF Antenna provides the highest level of performance and adaptability needed to handle various environmental circumstances. It is primarily utilized in applications related to industrial production automation, parking management, gate automation, and warehousing. The antenna has an IP67 grade for protection. It operates in accordance with international UHF standards (865-868 MHz and 902-928 MHz) and fully supports the ISO18000-6B and EPC Class 1 Gen2 (ISO 18000 - 6C) tag protocols. It also includes a heavy duty pole mount bracket that allows up or down tilt adjustment and the stainless steel hardware assures a long service life. The antenna can be wall or pole mounted.

PHYSICAL PARAMETER

| | |
|---------------------------|-------------------|
| Dimension | 240 x 230 x 50 mm |
| Weight | 1.1 Kg |
| Antenna Connector | N (Female) |
| Gain | 9 dBi |
| Color | White |
| Reflector Material | Aluminium |
| Housing Material | ABS |

ENVIRONMENTAL SPECIFICATION

| | |
|------------------------------|----------------|
| Operating Temperature | -40°C to +65°C |
| Storage Temperature | -40°C to +85°C |
| Sealing | IP 67 |

PERFORMANCE

| | |
|---------------------------|--|
| Working Frequency | 862 or 870 MHz band (We can do as per your requirements) |
| Air Interface | ISO18000-6B, EPC Class 1 Gen2 (ISO18000-6C) |
| Lightning Protection | Direct Ground |
| Horizontal 3dB Beam width | 90°±5° |
| Vertical 3dB Beam width | 90°±2° |
| Impedance | 50Ω |
| Polarization | Linear/Circular |
| VSWR | <1.3 |

ORDER INFORMATION

| | |
|-------------|------------------|
| Part Number | IDT.ANT.UHF.9.01 |
|-------------|------------------|

APPLICATION AREA



Parking Lot Management



Electronic Toll Management



Warehouse Management



Student Tracking



Vehicle Access



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The product specifications and descriptions listed in the specification sheet are subject to change anytime without notice.

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