

UHF RFID Mat Antenna



Quick Details

LDR-UA05 UHF RFID Mat Antenna belongs to ISO18000-6C & EPC Class 1 Gen2 protocol which can read UHF RFID EPC tags in a long distance. It is trample resistant and waterproof outdoor. It can only work with UHF RFID Reader Hub together as the antenna signal responde. It is mainly used for Marathon race timing and Sport timing.

Description

RFID Parameter	
Model No.	LDR-UA05
Type	Passive UHF RFID Antenna
Frequency	Worldwide 840-960Mhz, US 902-928mhz, EU 865-868Mhz
Antenna Type	12dbi circularly polarized (right)
Connector Type	TNC-male/SMA-male optional
Connector Location	Bottom/Side
Working Mode	Need to work with RFID reader hub
Read&Write Range	Read 1-5m adjustable, tag and environment dependent
Anti-collision	Support multiple tags reading
Physical Parameter	
Size	1260x500x30mm/49.61x19.69x1.18inch (LxWxT)
Material	Inside: Aluminium Outside: Rubber
Mounting	Floor/Ground
Operating temperature	-20°C ~ +65°C

Protection Level	Outdoor IP67
HOR/VER	70°/60°
Front-to-back Ratio	≥20dB
Input Impaction	50Ω
VSWR	≤1.3
Lightning protection	DC ground
Rated Wind Velocity	60m/s
Operating humidity	20% ~ 90%RH
Accessories	1×Connection cable
Package	1unit/carton

Application

- ✓ Intelligent traffic management, such as custom clearance, parking lot;
- ✓ Logistics such as container management, pallet management
- ✓ Ticketing, school attendance, asset tracking;
- ✓ Access control, automatic weighing;
- ✓ Animal tracking;