RFID UHF Mat Antenna – Race Timing System

Model IDTS-UMAT · Brand: Identium



A ground-mounted UHF RFID mat antenna system for race timing and event management. Detachable, foldable polyurethane mats lie across the start, finish or split line and read participants' UHF tags as they cross.

KEY FEATURES

- **Ground mat antenna system optimized for race timing and events**
- **Detachable mats: add or remove sections to suit the line width**
- Folds flat for transport and storage between events
- Polyurethane surface: abrasion-resistant, load-bearing, anti-slip in rain
- 865–868 MHz, 6 dBi gain, right-hand circular polarization
- Cable length made to order; DC-ground lightning protection

APPLICATIONS

Marathon and road race timing | Event entry management | School attendance | Retail store entrances | Warehouse inventory | File tracking

SPECIFICATIONS

Frequency	865–868 MHz (other ranges on request)
Gain	6 dBi
Polarization	Circular (RHCP)
Beam width	70° horizontal / 60° vertical
Impedance	50 Ω
VSWR	≤ 1.4
Maximum input power	50 W
Lightning protection	DC ground
Connector	N female
Cable	BNC connection, length made to order
Material	Polyurethane mat surface; ABS body, aluminium reflector
Construction	Detachable, foldable mat sections
Dimensions	260 × 260 × 42 mm
Weight	1.0 kg
Operating temperature	–40 °C to +65 °C
Rated wind velocity	60 m/s

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Specifications are indicative and may change without notice; confirm details for your order in the quotation.