

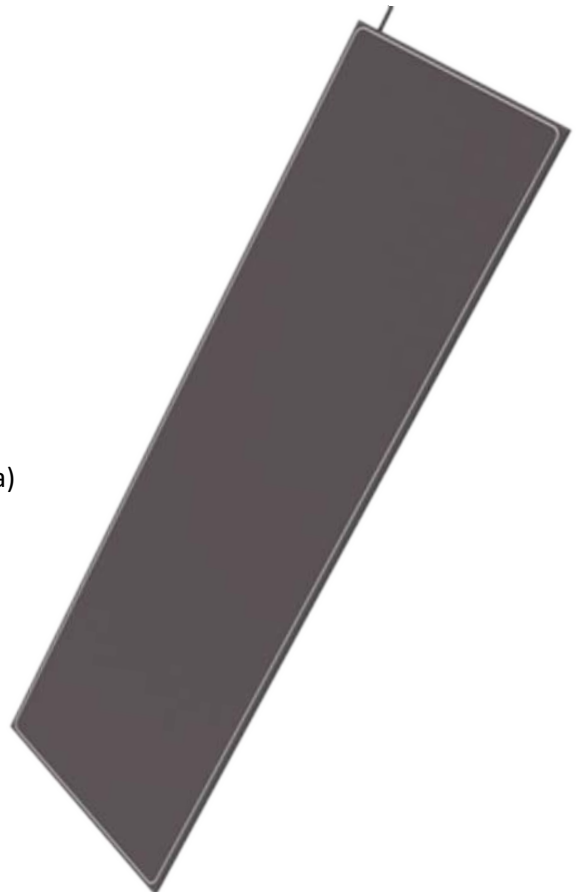
The iDTRONICs unique range of ground antennas A6590C/A6590L are optimised for RFID deployments involving moving products, assets and people. From conference attendee and people tracking, retail presence aware / loyalty marketing & race timing, the A6590C/A6590L are ideal for applications where traditional side antennas are unsuitable or not optimised for the application. At just 8 mm thick, the durable, high performance A6590C/A6590L are uniquely capable of lying flat on the ground within a doorway sized footprint, and can withstand payloads of over 200 kg.

Applications

- Race and Event Timing
- Retail Presence Aware / Loyalty based Marketing
- Conference Attendee / People Tracking

Features

- Ultra-low profile circular/linear polarised UHF ground antenna (depend on antenna)
- Only 8 mm thick
- Powerful with 9 dBic/ 10dBi gain (depend on antenna)
- Available in linear / circular version



Order Codes

Circular: R-IN-UHF-A6590C
Linear: R-IN-UHF-A6590L

Technical Data

	A6590C	A6590L
Dimensions	915mm x 305mm x 8mm	910mm x 300mm x 8mm
Weight	2 kg	2 kg
Radome Material	Fire retardant Kydex	Fire retardant Kydex
Environmental Rating	IP65	IP65
Operating Temp.	-20° to +55°C	-20° to +55°C
Connector type	SMA female side fly lead (300 mm)	SMA female side fly lead (300 mm)
Cable	2m SMA to RPTNC (included)	2m SMA to RPTNC (included)
Frequenzy Range	864–869 MHz/ 902–928 MHz	864–869 MHz/ 902–928 MHz
Polarisation	Circular	Linear
Fair-field Gain	9dBic	10dBi
Fare-field 3dB beamwidth	80° XZ, 20° YZ	72° XZ, 23° YZ
VSWR	< 1.4:1	< 1.4:1
Front to back ratio	24dB	20dB
Axial Ratio	ETSI: 3dB (typ) at boresight FCC: 2dB (typ) at boresight	-
Nominal Impedance	50 Ω	50 Ω
Anti-static protection	YES	YES
Maximum input Power	6 W	6 W

E-field elavation & Azimuth Patterns

