

The iDTRONIC multi-purpose antennas, are ultra-low profiles circular polarised flat panel antennas for UHF RFID applications in customer facing or space conscious environments.

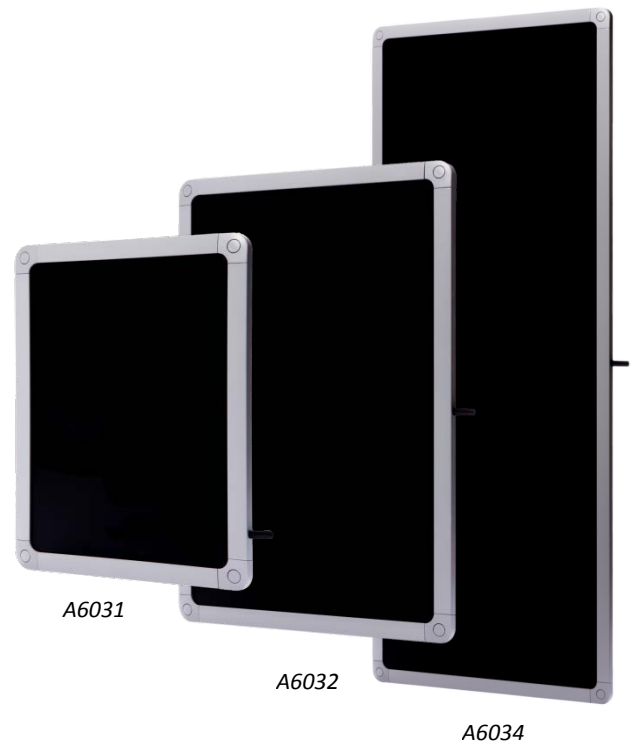
They can be easily blend into any office or retail environment.

#### Applications

- Retail inventory management
- Office asset tracking
- Any space constrained / customer facing environment

#### Features

- unique ultra-low profile UHF Door Frame Antenna
- read up from 4m to 9 m (depend on Antenna)
- Only 12mm thick (depend on Antenna)
- high performance
- rugged design
- easily transforming existing doorways into RFID portal / read points
- suitable for indoor/outdoor use
- ideal for all forms of asset and people tracking in portal RFID deployments
- customer friendly aesthetics



#### Order Codes

R-IN-UHF-A6031  
R-IN-UHF-A6032  
R-IN-UHF-A6034

## Technical Data

	<b>A6031</b>	<b>A6032</b>	<b>A6034</b>
Dimensions	275mm x 214mm x 12mm	391mm x 275mm x 12mm	747mm x 314mm x 12mm
Weight	0,6 kg	1 kg	2,2 kg
Reade Rang	Up to 4m	Up to 6m	Up to 9m
Radome Material	Fire retardant Kydex	Fire retardant Kydex	Fire retardant Kydex
Environmental Rating	IP65	IP65	IP65
Operating Temp.	-20° to +55°C	-20° to +55°C	-20° to +55°C
Mounting	Integrated mounting holes / no accessory req.	Integrated mounting holes / no accessory req.	Integrated mounting holes / no accessory req.
Connector type	SMA female side fly lead (300 mm)	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)	2m SMA to RPTNC (included)
Vibration	IEC 68-2-6 (0.5g,/axes, random vibration)	IEC 68-2-6 (0.5g,/axes, random vibration)	-
Humidity	IEC 68-2-30 (+25° to +55°C)	IEC 68-2-30 (+25° to +55°C)	-
Cold Test	IEC 68-2-1 (-40°C)	IEC 68-2-1 (-40°C)	-
Heat Test	IEC 68-2-2 (+70° C)	IEC 68-2-2 (+70° C)	-
Temp. Shock Test	IEC 68-2-1 (10 cycles of 30mins. at -40°C followed by 30 mins. at +70°C )	IEC 68-2-1 (10 cycles of 30mins. at -40°C followed by 30 mins. at +70°C )	-
Frequency Range	864–869 MHz/ 902–928 MHz	864–869 MHz/ 902–928 MHz	864–869 MHz/ 902–928 MHz
Polarisation	Circular	Circular	Circular
Fair-field Gain	4dBic	7dBic	9dBic
Fare-field 3dB beamwidth	80° in both directions	48° vertical, 75° horizontal	25° vertical, 81° horizontal
VSWR	< 1.4:1	< 1.4:1	< 1.4:1
Front to back ratio	18dB	22dB	25dB
Axial Ratio	<2dB at boresight	<2dB at boresight	<2dB at boresight
Nominal Impedance	50 Ω	50 Ω	50 Ω
Anti-static protection	YES	YES	YES
Maximum input Power	6 W	6 W	6 W