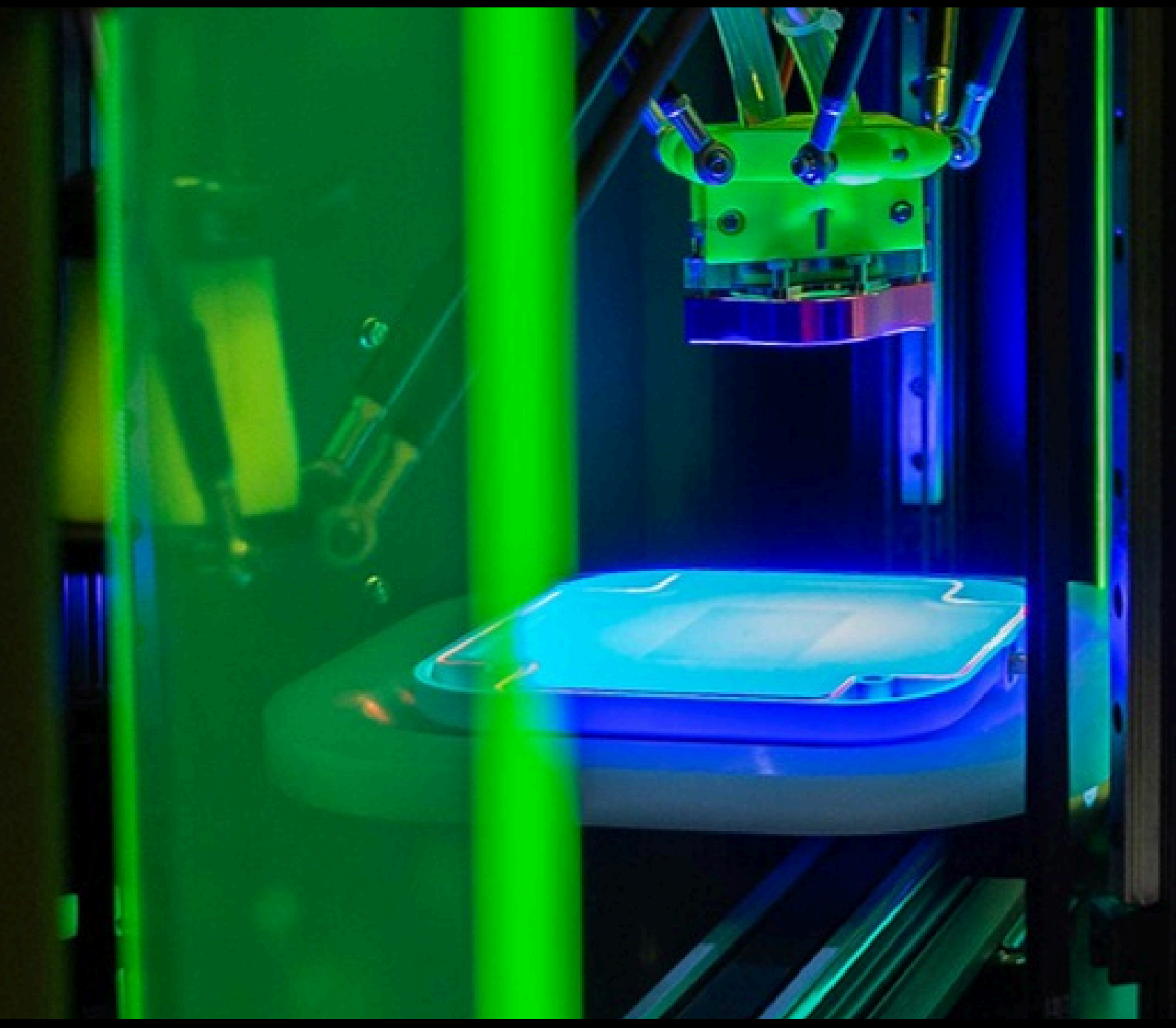
# Times-7 RAIN RFID Antenna Product Catalogue



TIMES-7®
INTELLIGENT TRACKING | SMART TECHNOLOGY

Specialists in fixed UHF RAIN RFID Antennas

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# About Us

**Times-7 designs and manufactures high-performance RAIN RFID antennas that deliver trusted accuracy, reliability, and RF excellence. Headquartered in New Zealand and supported by a global distribution network, our products power mission-critical applications across retail, healthcare, logistics, manufacturing, and beyond.**

Recognised by RFID leaders worldwide, Times-7 is known for engineering excellence, consistent product quality and reliability, and customer support that goes the extra mile.

From high-volume deployments to specialist integrations, our antennas help deliver innovative, dependable RFID systems.

We support customers through a proven distribution partner network, ensuring our antennas are available globally, with fast order-to-ship times.

Times-7 offers exceptional customer service, with responsive support and technical expertise that ensures the success of your RFID deployments.


Times-7 is a proud member of the RAIN RFID Alliance and an active participant in global industry events.

# How to use this catalogue

Welcome to the latest Times-7 product catalogue, which represents our unique portfolio of ultra-slim RAIN RFID antennas. Inside this selector guide, you'll find all the information you need to figure out which model fits your specifications, space, and environment.

## Standard Portfolio

Times-7 offers one of the largest portfolios of fixed RAIN RFID antennas on the market, spanning ultra-slim panels, true near-field options, mid-range, threshold/portal antennas, conveyor solutions, and floor/ground mats.

Our antennas cover:

- A wide variety of RF characteristics.
- A range of sizes.
- Leading temperature performance.
- A range of IP ratings.

**Use the antenna quick guides on pages 5-11 to match your specifications, and environment and size to the right antenna.**

## Custom Designed Antennas

If a standard model does not meet your specific requirements, we'll build one that does.

We offer customised RF or mechanical specifications such as:

- Gain, beamwidth and polarisation options
- IP ratings
- Custom sizing
- Custom enclosures
- Different connector types

Every build is backed by RF testing and validation, environmental and mechanical testing, and strict quality control for consistent, reliable performance.

# TIMES-7 CUSTOM ANTENNAS

This service offers custom antenna development to meet unique size, shape, and RF performance requirements. Whether you need embedded, near-field, rugged ground antennas, prototypes or high-volume production, we deliver tailored high-quality, reliable solutions on time and to specification.

## Why opt for a custom antenna design?

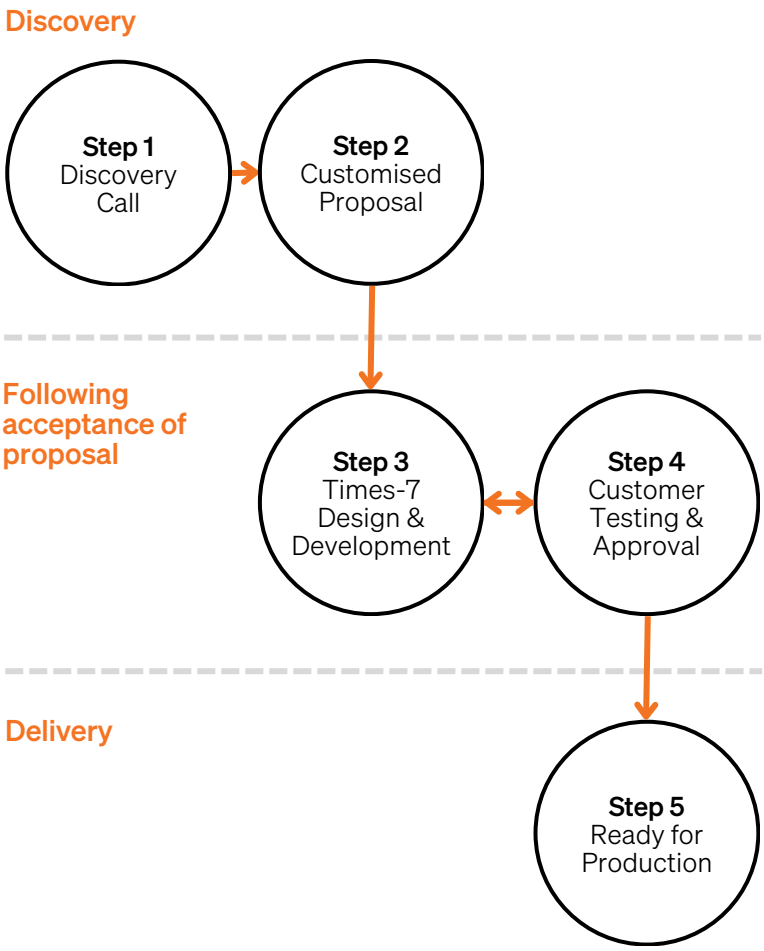
While our standard portfolio of high-performance RAIN RFID antennas suits many applications, some projects demand more:

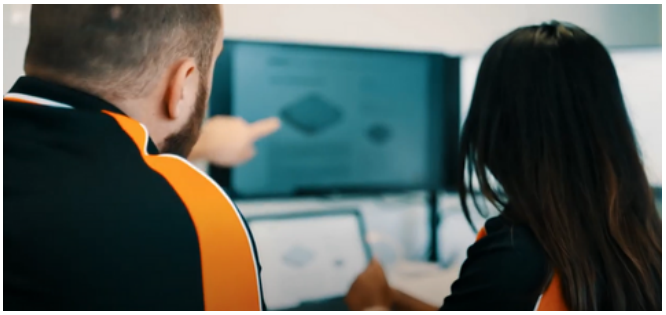
- Unique installation environments (metal surfaces, extreme temperatures, or high-moisture conditions).
- Specific read zone requirements for accuracy and control.
- Aesthetic or space constraints in new product designs.
- Regulatory compliance or certification needs.
- Performance thresholds that meet or exceed industry standards.

## Have a challenging application that requires a unique antenna?

**Talk to us about your custom project today**

## The Custom Antenna Design Process



# ANTENNA QUICK GUIDE

Use these at-a-glance tables to zero in on the right antenna for your application. Browse by specification (read range, polarization, gain, beam pattern, connector, mounting) or by size (footprint, thickness, weight). Each table is grouped by antenna type so you can compare like-for-like and choose with confidence.

## Far-field Antennas by Specification

| Page | Antenna | Polarisation | Mounting Options | Dimensions | Far Field 3dB Beamwidth | Gain | IP Rating | Cable/ Connector Type |
|---|---|---|---|---|---|---|---|---|
| 13 | A5010 | Circularly polarised | Flush or VESA | 250 x 250 x 14mm | 68° both planes | 8.5dBiC typical | IP67 | SMA jack, side |
| 13 | A5020CP | Circularly polarised | Flush or VESA | 150 x 150 x 14mm | 115° both planes | 5.5dBiC typical | IP68 | SMA jack, side |
| 14 | A5020CX | Circularly polarised | Flush or VESA | 150 x 150 x 14mm | 105° in both planes | 5.5dBiC typical | IP68 + IP69K | SMA jack, side |
| 14 | A5020MR | Circularly polarised | Flush or VESA | 150 x 150 x 14mm | 115° in XZ plane 105° in YZ plane | -3dBiC typical | IP68 | SMA jack, side |
| 15 | A5020LX | Linearly polarised | Flush or VESA | 150 x 150 x 14mm | 100° in XZ plane 105° in YZ plane | 5dBi typical | IP68 + IP69K | SMA jack, side |
| 15 | A5060 | Circularly polarised | Flush or VESA | 604 x 304 x 8.6mm | 25° in XZ plane 60° in YZ plane | 10.5dBiC typical | IP54 | SMA jack, side |
| 16 | A3042 | Circularly polarised | VESA mount | 604 x 304 x 11mm (panel only) / 27.5mm (includ. stud length) | 25° in XZ plane 60° in YZ plane | 10.5dBiC typical | IP54 | RP-TNC straight jack, rear |
| 16 | A7030C | Circularly polarised | Flush or VESA | 300 x 300 x 8.5mm | 65° in both planes | 6dBiC typical | IP54 | SMA jack, side |
| 17 | A7040 | Linearly polarised | Flush or VESA | 400 x 250 x 8mm | 80° in YZ plane 45° in XZ plane | 7.5dBi typical | IP54 | SMA jack, side |
| 17 | A7060 | Linearly polarised | Flush or VESA | 600 x 250 x 8mm | 65° in YZ plane 30° in XZ plane | 9dBi typical | IP54 | SMA jack, side |
| 18 | A4030C | Circularly polarised | Flush or VESA | 280 x 280 x 12mm | 60° in both planes | 6.5dBiC typical | IP65 | SMA jack, rear |
| 18` | A4030L | Linearly polarised | Flush or VESA | 280 x 280 x 12mm | 62° in both planes | 7.5dBi typical | IP65 | SMA jack, rear |
| 19 | A6032 | Circularly polarised | Flush or VESA | 390 x 274 x 12mm | 48° in XZ plane 75° in YZ plane | 7dBiC typical | IP65 | SMA jack, side |
| 19 | A6034S | Circularly polarised | Flush or VESA | 393 x 393 x 12.2mm | 50° in both planes | 9dBiC typical | IP65 | SMA jack, side |
| 20 | B6031 | Circularly polarised | Flush or VESA | 279 x 218 x 8.3mm | 60° in XZ plane 80° in YZ plane | 5dBiC typical | IP54 | SMA jack, side |

# Near-field Antennas by Specification

| Page | Antenna | Polarisation | Mounting Options | Dimensions | Far-field Gain Equivalent | IP Rating | Cable/ Connector Type |
|---|---|---|---|---|---|---|---|
| 22 | A1115 | Near-field antenna | Flush or VESA | 154 x 154 x 8.5mm | -10.5dBi typical | IP54 | SMA jack, side |
| 22 | A1130 | Near-field antenna | Flush or VESA | 304 x 304 x 8.5mm | -11.5dBi typical | IP54 | SMA jack, side |
| 22 | A1163 | Near-field antenna | Flush or VESA | 604 x 304 x 8.5mm | -12.5dBi typical | IP54 | SMA jack, side |
| 23 | A5020NF | Near-field antenna | Flush or VESA | 150 x 150 x 14mm | -30dBi typical | IP68 | SMA jack, side |
| 23 | A1001 | Near-field antenna | Flush | 82 x 82 x 9.6mm | -20dBi typical | IP54 | SMA jack, side |

# Specialised Antennas by Specification

## Ground & Underfloor Antennas

| Page | Antenna | Polarisation | Mounting Options | Dimensions | Far Field 3dB Beamwidth | Gain | IP Rating | Cable/ Connector Type |
|---|---|---|---|---|---|---|---|---|
| 25 | A6590C | Circularly polarised | Flush | 915 x 305 x 8mm | 20° in XZ plane<br>80° in YZ plane | 9dBiC typical | IP65 | SMA jack/ RP-TNC plug |
| 25 | A6590L | Linearly polarised | Flush | 915 x 305 x 8mm | 72° in XZ plane<br>23° in YZ plane | 10dBi typical | IP65 | SMA jack/ RP-TNC plug |
| 26 | A5531C | Circularly polarised | Flush | 1200 x 195 x 10mm | 13° in XZ plane<br>85° in YZ plane | 9.5dBiC typical | IP53 | SMA jack, side |
| 26 | A5531V | Vertical linearly polarised | Flush | 1200 x 195 x 10mm | 25° in XZ plane<br>70° in YZ plane | 10dBi typical | IP53 | SMA jack, side |
| 26 | A5531H | Horizontal linearly polarised | Flush | 1200 x 195 x 10mm | 85° in XZ plane<br>13° in YZ plane | 10dBi typical | IP53 | SMA jack, side |

# Specialised Antennas by Specification

## Doorway Antennas

| Page | Antenna | Polarisation | Mounting Options | Dimensions | Far Field 3dB Beamwidth | Gain | IP Rating | Cable/ Connector Type |
|---|---|---|---|---|---|---|---|---|
| 27 | A8060 | Linearly polarised | Flush | 650 x 88 x 10.5mm | 110° in YZ plane 30° in XZ plane | 5dBi typical | IP54 | SMA jack, side |
| 28 | A8065 Combo | Refer to A8065 Series - page 28 | | | | | | |
| 28 | A8065D | Dual linearly polarised | Flush | 700 x 90 x 10.5mm | Vertical Pol: 25° in XZ plane; Horizontal Pol: 40° in XZ Vertical Pol: 140° in YZ plane; Horizontal Pol: 110° in YZ | Horizontal: 3dBi typical; Vertical: 4dBi typical | IP54 | SMA jack, side |
| 28 | A8065V | Vertical linearly polarised | Flush | 700 x 90 x 10.5mm | 25° in XZ plane 120° in YZ plane | 7.5dBi typical | IP54 | SMA jack, side |
| 28 | A8065H | Horizontal linearly polarised | Flush | 700 x 90 x 10.5mm | 30° in XZ plane 110° in YZ plane | 6dBi typical | IP54 | SMA jack, side |

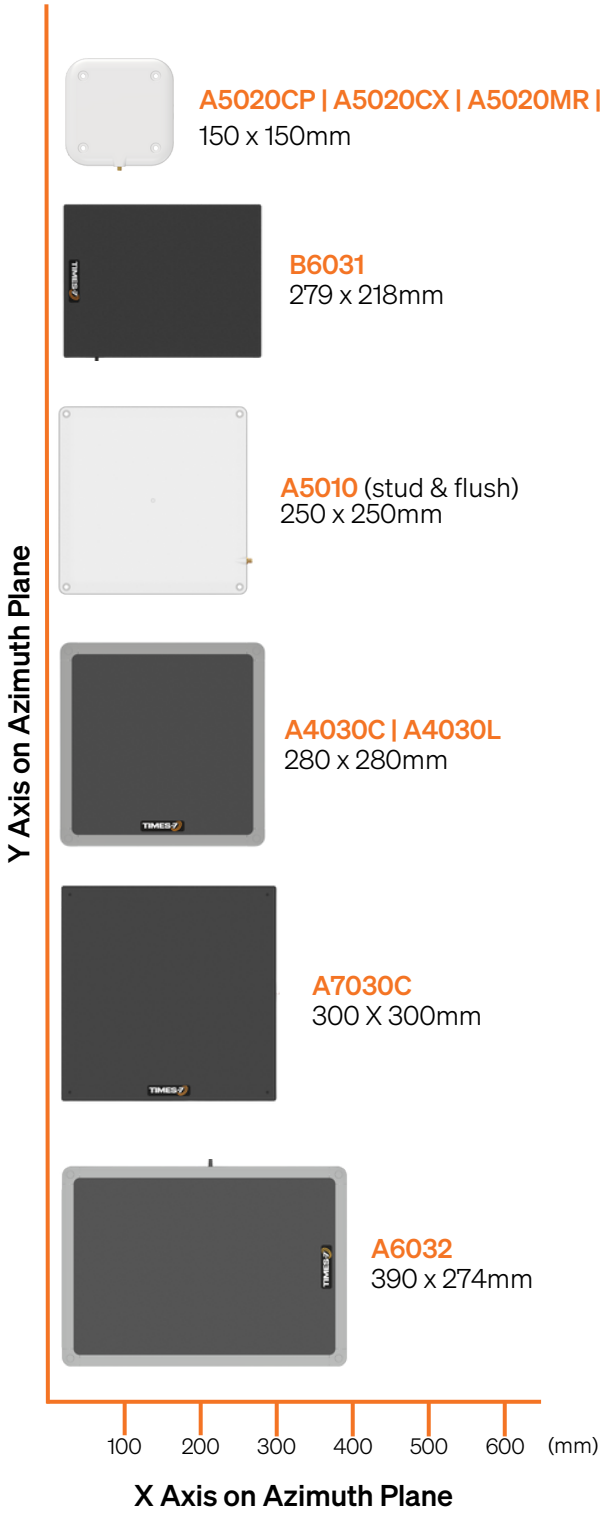
## Airport Antennas

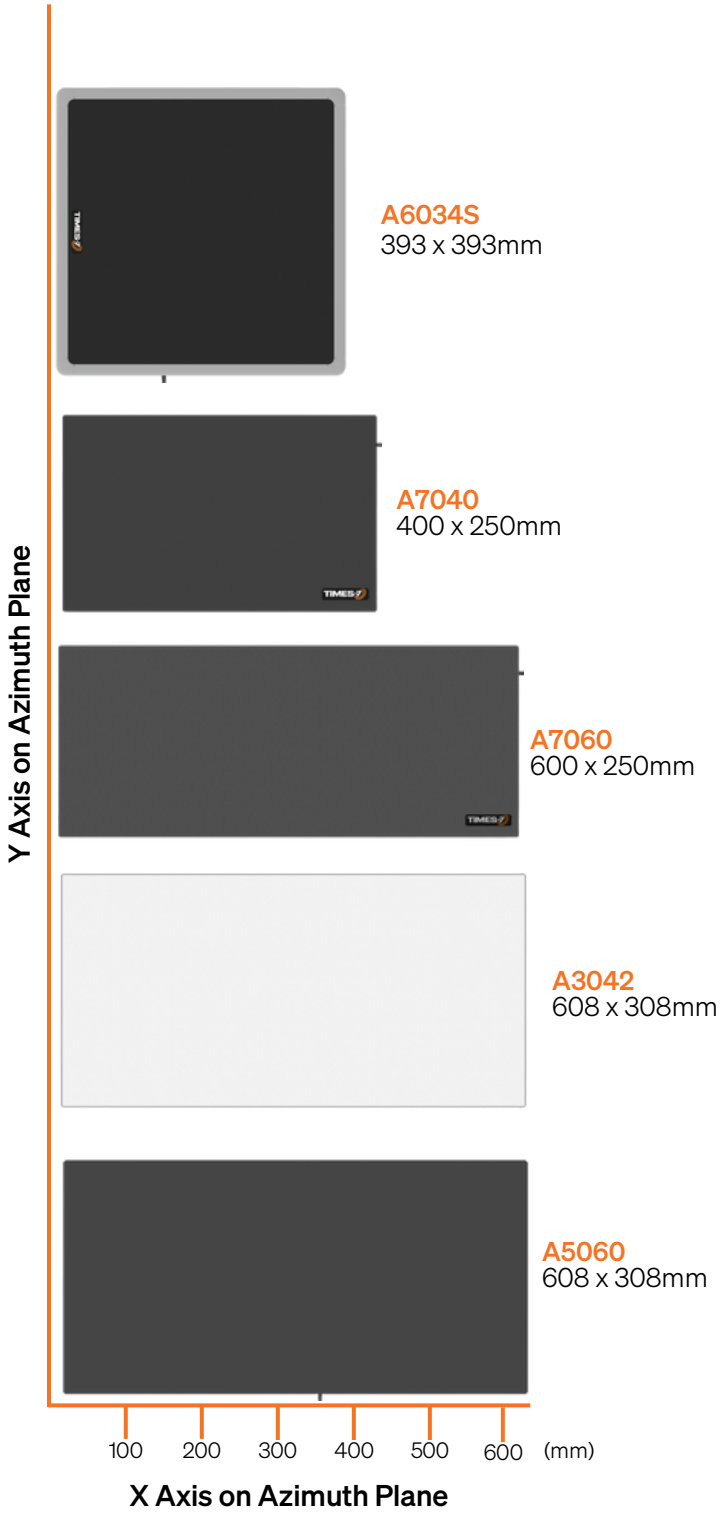
| Page | Antenna | Polarisation | Mounting Options | Dimensions | Far Field 3dB Beamwidth | Gain | IP Rating | Cable/ Connector Type |
|---|---|---|---|---|---|---|---|---|
| 29 | A6015 | Circularly polarised | Flush | 549 x 380 x 12mm | Read zone above belt: ⩽ 1500mm Read zone across belt: ⩽ 1000mm | 4dBiC typical | IP54 | RP-SMA, jack, side |
| 30 | A6011-800 | Circularly polarised | Flush | 800 x 800 x 12mm | 70° in XZ plane 25° in YZ plane | 10dBiC typical | IP54 | SMA jack, side |
| 30 | A6011-1000 | Circularly polarised | Flush | 1000 x 800 x 12mm | 70° in XZ plane 25° in YZ plane | 10dBiC typical | IP54 | SMA jack, side |
| 30 | A6011-1200 | Circularly polarised | Flush | 1200 x 600 x 12mm | 60° in XZ plane 22° in YZ plane | 11dBiC typical | IP54 | SMA jack, side |

## Tunnel & Packing Station Antennas

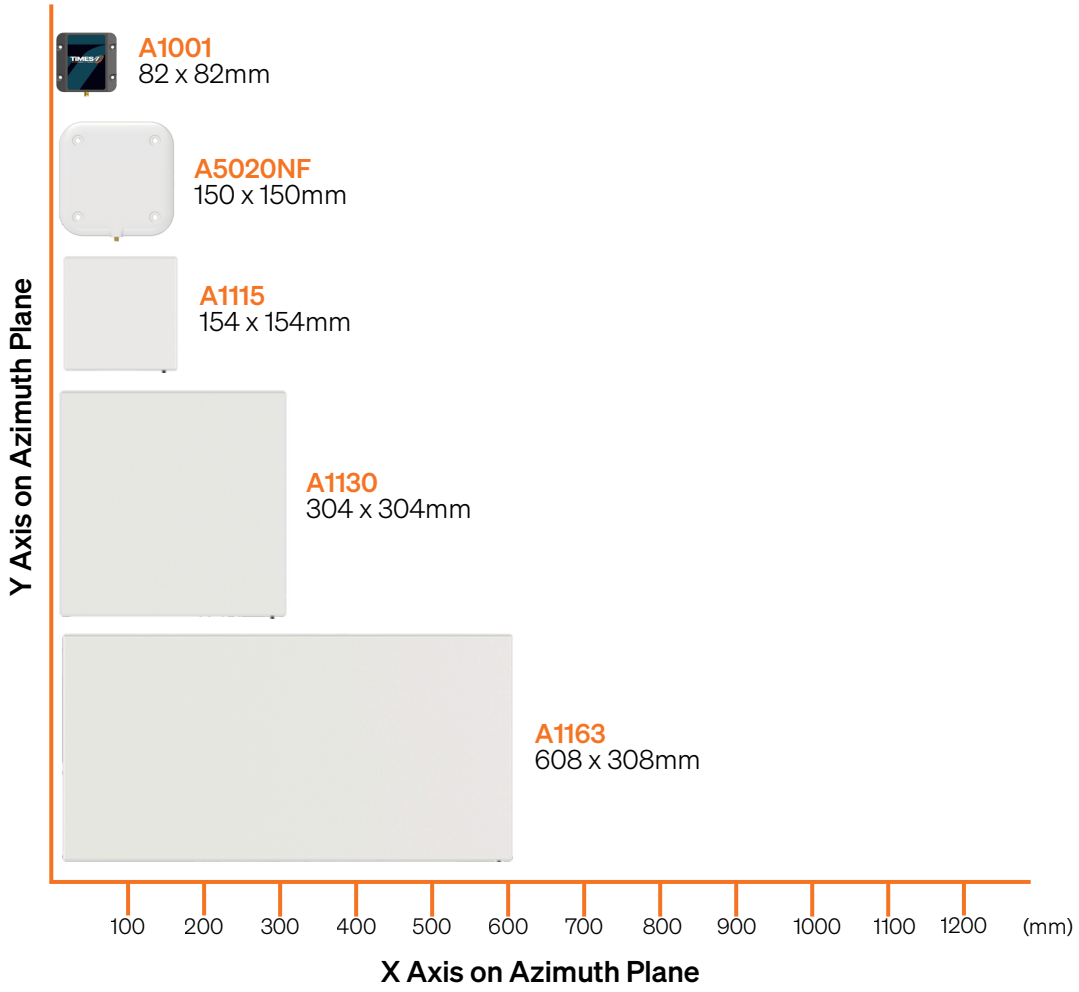
| Page | Antenna | Polarisation | Mounting Options | Dimensions | Far Field 3dB Beamwidth | Gain | IP Rating | Cable/ Connector Type |
|---|---|---|---|---|---|---|---|---|
| NEW 31 | A9044M Packing Station Antenna | Multi-linear polarised | Flush | 640 x 650 x 8.6mm | 65° in azimuth and elevation planes with 10° beam tilt 30° and 40° in azimuth and elevation with 15-20° beam tilt. | 7dBi typical | IP54 | Four connectors, SMA jack, rear |

# Far-field Antennas by Size

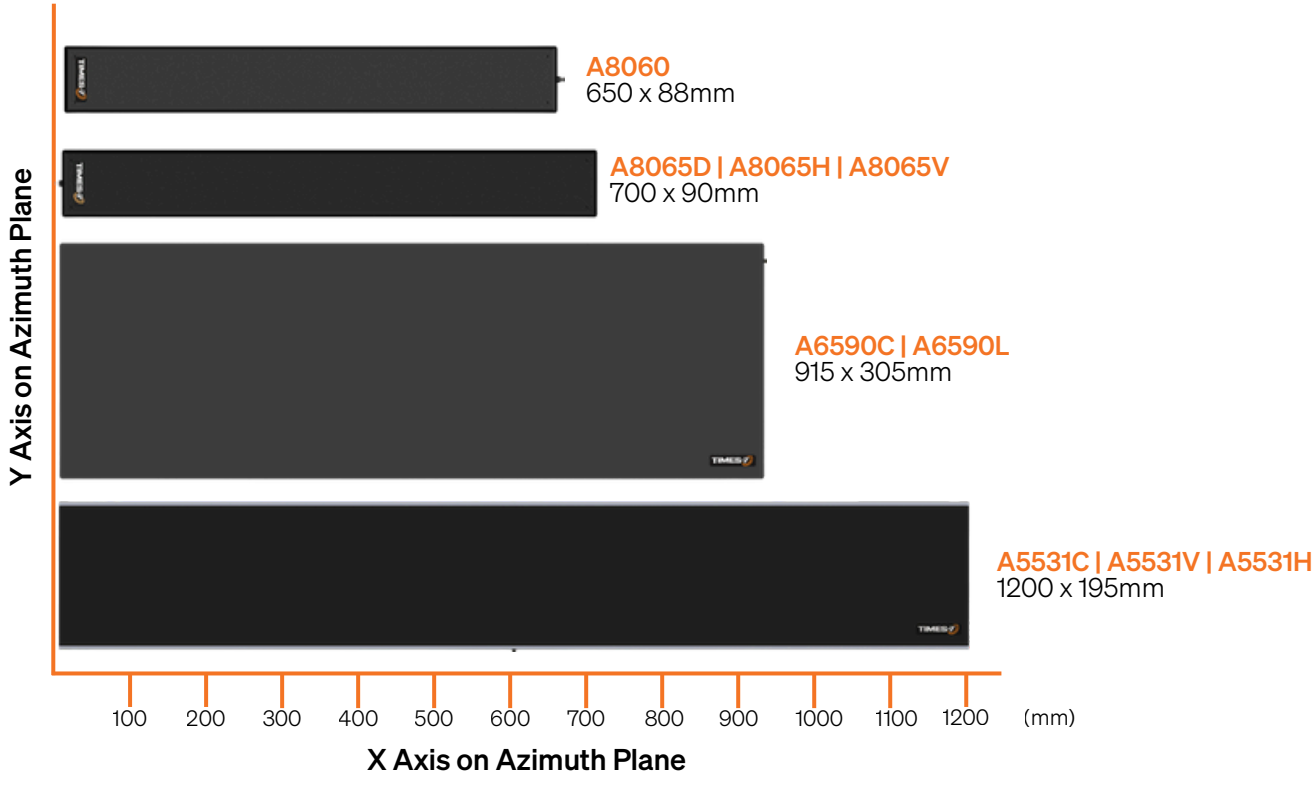


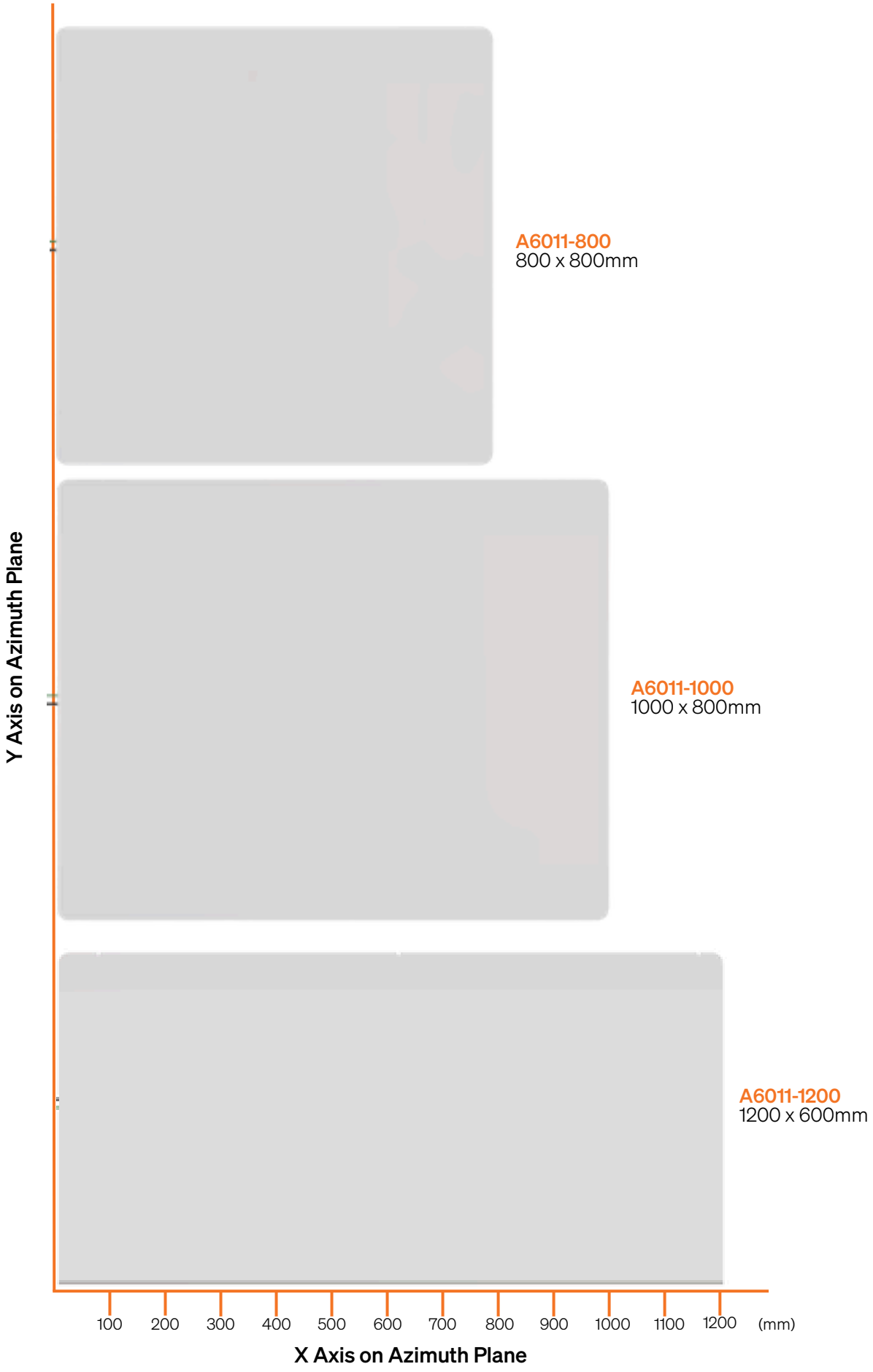
# Near-field Antennas by Size



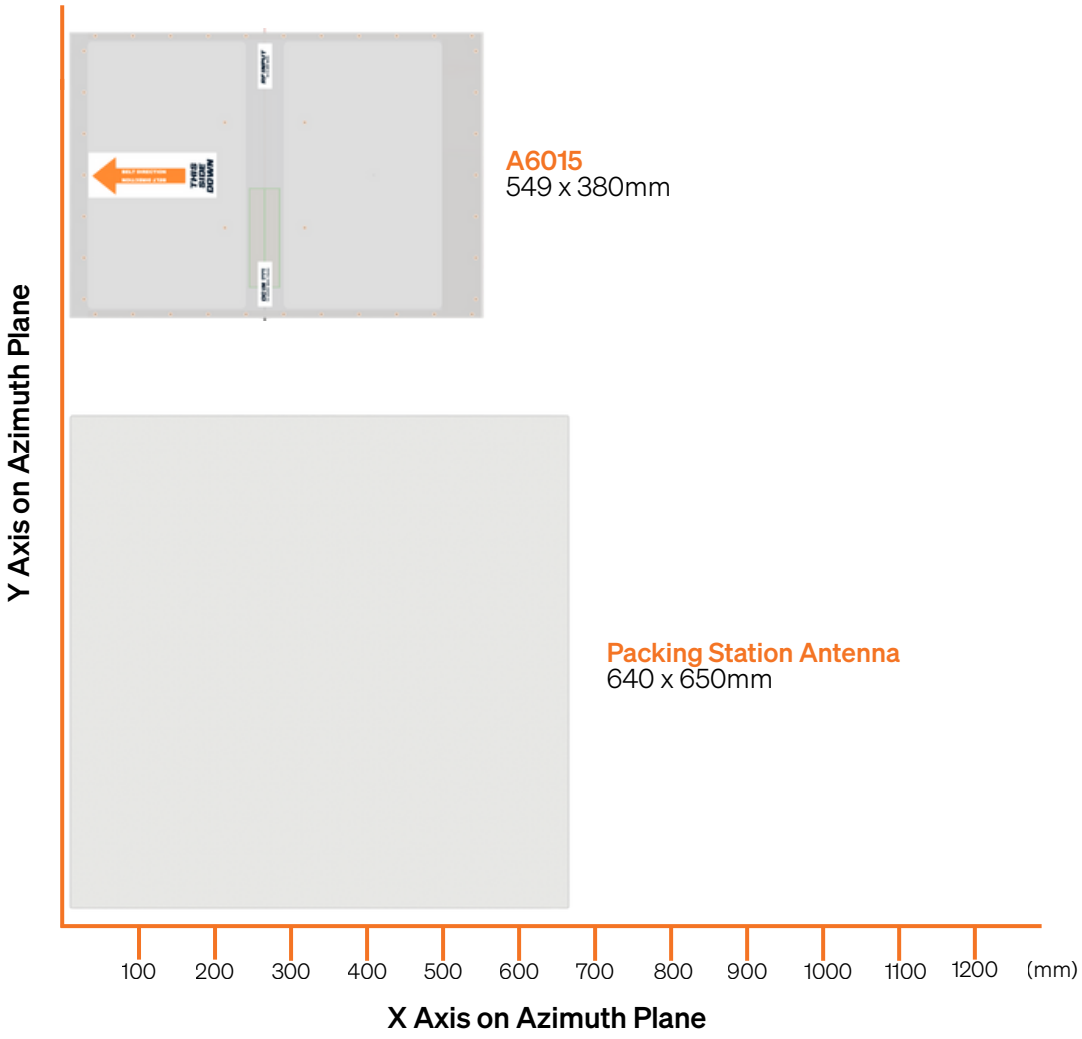

# Specialised Antennas by Size



# Specialised Antennas by Size



# Specialised Antennas by Size



# FAR-FIELD ANTENNAS

Times-7's far-field RFID antennas deliver long-range, high-performance tag detection across a wide array of use cases.

## Common use cases

### Medical

Store rooms (central stores, wards, inventory rooms)

Hospital asset tracking

Cold-chain verification

### Retail


Exit & EAS gates

In-store visibility (overhead or shelf-side)

Between back-of-store and front-of-store movement

### Logistics

Last-mile delivery

Warehousing

Portals / dock doors

Times-7 far-field antennas are designed to cover a wide variety of different read point requirements.

With robust construction, multiple polarisation options, and versatile mounting, our antennas ensure accurate performance.

Engineered for use in environments like retail, dock doors, conveyors, and portals, they offer reliable, consistent reads, that can scale.

**Why use Times-7 far-field antennas?**

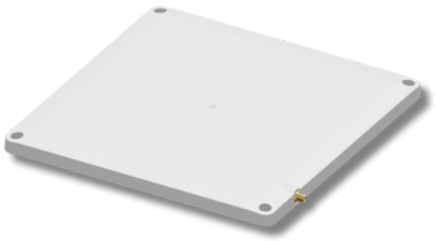
✓ Tailored coverage with range of beamwidths and gain for efficient read zones.

✓ Hands-free data capture at range: always on and doesn't require direct line-of-sight.

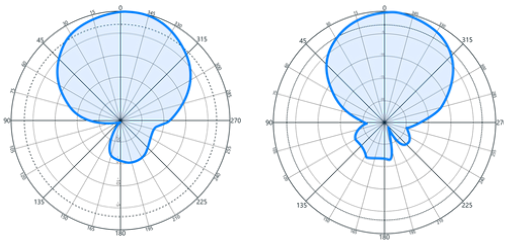
✓ Scalable design that can be deployed at set read points and expanded as required.

✓ Designed for low-loss with high-efficiency energy transmission into the far-field range.

## A5010 Circularly Polarised Antenna



### Radiating Pattern



XZ plane | YZ plane

The A5010 is a compact, high-gain far-field RFID antenna, engineered with symmetrical beamwidth for consistent coverage across both planes. Delivering reliable wide-area performance with IP67-rated durability and a slim profile, it is the ideal general-purpose antenna for a wide range of applications.

**Accessory**

A5010 Connector Protection Backplate 72039

### Industry

- Retail
- Manufacturing
- Medical
- Pharmaceutical
- Supply chain
- Logistics

### Applications

- Smart fitting rooms
- Packing station
- Food processing
- Blood bank management
- Clean room environments
- Medication tracking
- Inventory tracking
- Returnable shipping assets
- Conveyors

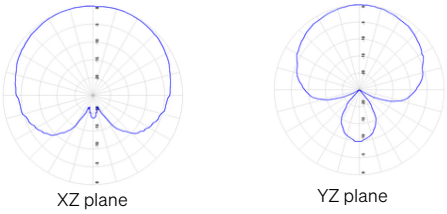
| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 8.5dBiC typical |
| 3dB beamwidth | 68° in both planes |
| VSWR | 1.3 typical |
| Front-to-back ratio | -20dB |
| Axial ratio | 1dB typical |
| **Physical Specifications** | |
| Dimensions | 250 x 250 x 14mm |
| Weight | 0.575kg |
| Connector/cable type | SMA jack, side exit |
| Operating/storage temp | 0°C to +65°C |
| IP rating | IP67 |

**Part Numbers**

| | Flush | Stud |
|---|---|---|
| FCC | 60001 | 60003 |
| ETSI | 60002 | 60004 |

## A5020 Circularly Polarised Antenna

### Radiating Pattern



XZ plane | YZ plane

A compact, high-gain, far-field RFID antenna, offering reliable wide-area performance, IP68-rated durability, and a slim profile, the ideal general-purpose antenna for both indoor and outdoor applications.

**Accessory**

A5020 Connector Protection Backplate 72394

### Industry

- Medical
- Pharmaceutical
- Retail
- Warehousing

### Applications

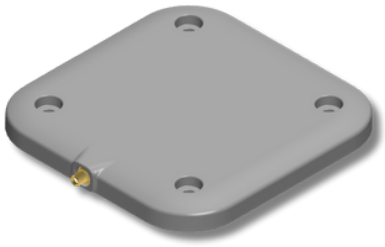
- Asset tracking
- Fridge/ freezer vaccine tracking
- Inventory tracking

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 5.5dBiC typical |
| 3dB beamwidth | 105° in both planes |
| VSWR | 1.4 typical |
| Front-to-back ratio | -10dB typical |
| Axial ratio | 2dB typical |
| **Physical Specifications** | |
| Dimensions | 150 x 150 x 14mm |
| Weight | 0.23kg |
| Connector/cable type | SMA jack, side exit |
| Operating/storage temp | -30° to +65°C |
| IP rating | IP68 |

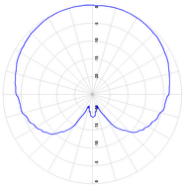
**Part numbers**

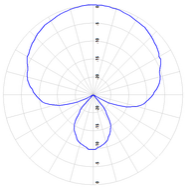
| | |
|---|---|
| FCC | 60010 |
| ETSI | 60011 |

## A5020CX Circular Extreme Antenna



### Radiating Pattern




The A5020CX is a compact, rugged circularly polarised RFID antenna engineered for extreme environments, delivering robust circularly polarised performance, and IP68 and IP69K-rated protection for the toughest industrial and outdoor applications.

**Accessory**

A5020 Connector Protection Backplate 72394

### Industries

- Industrial
- Food Industry
- Manufacturing
- Mining

### Applications

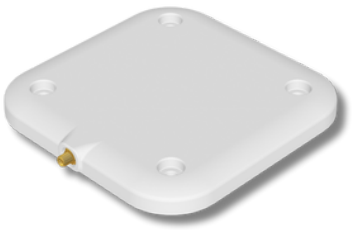
- Clean rooms
- Food processing
- Chemical manufacturing

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 5.5dBiC typical |
| 3dB beamwidth | 105° in both planes |
| VSWR | 1.4 typical |
| Front-to-back ratio | -10dB typical |
| Axial ratio | 2dB typical |
| **Physical Specifications** | |
| Dimensions | 150 x 150 x 14mm |
| Weight | 0.23kg |
| Connector/ cable type | SMA jack, side exit |
| Operating/ storage temp | -30° to +65°C |
| IP rating | IP68 + IP69K |

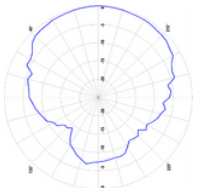
**Part Numbers**

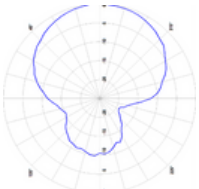
| | |
|---|---|
| FCC | 75493 |
| ETSI | 75494 |

## A5020MR Mid-Range Antenna



### Radiating Pattern




The A5020MR is a mid-range circularly polarised flat panel RFID antenna tuned to perform just beyond the near-field zone. It minimises stray reads, even in complex, busy environments, due to a 1.5 metre concentrated field that ignores tags beyond that range.

**Accessory**

A5020 Connector Protection Backplate 72394

### Industries

- Retail
- Manufacturing
- Airports
- Libraries

### Applications

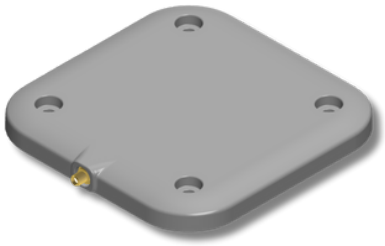
- Kiosk, self checkout, POS
- Packaging conveyor
- EAS gates
- Portals
- Cabinetry and shelves

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | -3dBiC typical |
| 3dB beamwidth | 115° in XZ plane<br>105° in YZ plane |
| VSWR | 1.8 typical |
| Front-to-back ratio | -8dB |
| Axial ratio | 2.5dB typical |
| **Physical Specifications** | |
| Dimensions | 150 x 150 x 14mm |
| Weight | 0.20kg |
| Connector/ cable type | SMA jack, side exit |
| Operating/ storage temp | -30° to +65°C |
| IP rating | IP68 |

**Part Numbers**

| | |
|---|---|
| FCC | 72388 |
| ETSI | 72389 |

## A5020LX Linear Extreme Antenna

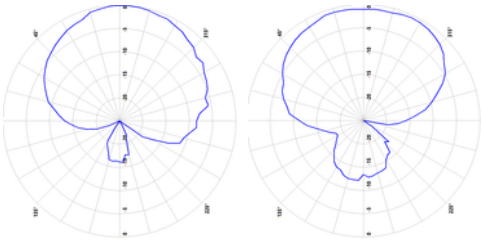


The A5020LX is a compact, high-gain linearly polarised antenna, capable of long-range reads. It combines a slim form factor, IP68 and IP69K-rated durability, and an extremely low operating temperature tolerance, making it suitable for deep freezer applications.

**Accessory**

A5020 Connector Protection Backplate 72394

### Radiating Pattern



XZ plane YZ plane

### Industries

- Healthcare
- Pharma
- Food
- Controlled environments

### Applications

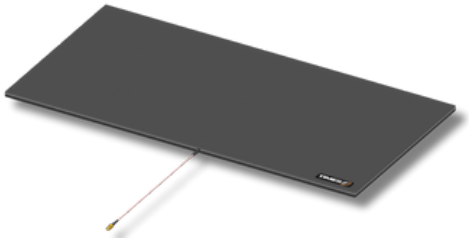
- Deep freeze organ tracking
- Medication & vaccine tracking
- Food processing
- Chemical manufacturing

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 5dBi typical |
| 3dB beamwidth | 100° in XZ plane<br>105° in YZ plane |
| VSWR | 2.5 typical |
| Front-to-back ratio | -12dB |
| **Physical Specifications** | |
| Dimensions | 150 x 150 x 14mm |
| Weight | 0.23kg |
| Connector/ cable type | SMA jack, side exit |
| Operating/ storage temp | -90° to +65°C |
| IP rating | IP68 + IP69K |

**Part Numbers**

| | |
|---|---|
| FCC | 72386 |
| ETSI | 72387 |

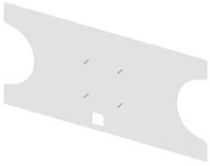
## A5060 Circularly Polarised High Gain Antenna



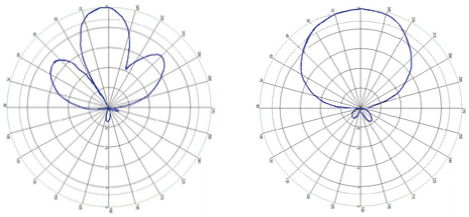
The A5060 is an ultra-low profile high-gain circularly polarised antenna, engineered to deliver exceptional performance in demanding industrial environments. With a read range that can exceed 10 meters (33 feet) and designed with a multi-element antenna array, the A5060 produces a concentrated 'curtain' shaped beam.

**Accessory**

Mounting Plate 72095



### Radiating Pattern



XZ plane YZ plane

### Industry

- Retail
- Hospitality
- Logistics
- Supply chain
- Dock doors

### Applications

- Overhead EAS gates/ inventory management
- Laundry tracking
- Portals & tunnels
- Dock doors
- Item level tracking

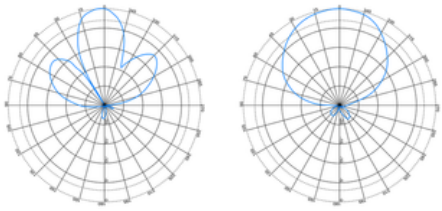
| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 10.5dBiC typical |
| 3dB beamwidth | 25° in XZ plane<br>60° in YZ plane |
| VSWR | 1.4 typical |
| Front-to-back ratio | -25dB |
| Axial ratio | 2dB typical |
| **Physical Specifications** | |
| Dimensions | 608 x 308 x 9.7mm |
| Weight | 1.48kg* |
| Connector/ cable type | SMA jack, fly lead, side exit |
| Operating/ storage temp | -20° to +55°C/<br>-30° to +60°C |
| IP rating | IP54 |

**Dimensions and weight provided are for formed radomes*

| Part Numbers | | Black | White |
|---|---|---|---|
| Formed Radome | FCC | 75238 | 75239 |
| | ETSI | 75236 | 75237 |
| Flat Radome | FCC | 71875 | - |
| | ETSI | 71876 | - |

## A3042 Robust High Gain Circularly Polarised Antenna

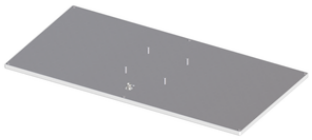
### Radiating Pattern



XZ plane | YZ plane

An ultra-low profile high-gain circularly polarised antenna, engineered to deliver exceptional performance in a robust and compact package. With a read range that can exceed 10 meters (33 feet) and designed with a multi-element antenna array that creates a 'curtain' shaped beam, the A3042 is the ideal choice for demanding industrial environments.

**Note**:
Integrated backplate with 100 x 100mm VESA mounting studs for easy installation



### Industries

- Transport
- Logistics
- Manufacturing
- Automotive
- Military

### Applications

- Vehicle tolling
- Vehicle gates
- Delivery portals
- Dock doors
- Manufacturing
- EAS gates

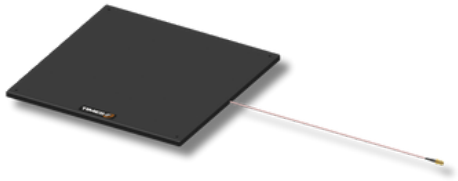
| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 10.5dBiC typical |
| 3dB beamwidth | 25° in XZ plane<br>60° in YZ plane |
| VSWR | 1.4 typical |
| Front-to-back ratio | -25dB |
| Axial ratio | 2dB typical |
| **Physical Specifications** | |
| Dimensions | 608 x 308 x 9.7mm /<br>27.5mm** |
| Weight | 2.38kg |
| Connector/cable type | RP-TNC straight<br>jack, rear exit |
| Operating/ storage temp | -20° to +55°C /<br>-30° to +60°C |
| IP rating | IP54 |

(*panel only, **including full stud length)

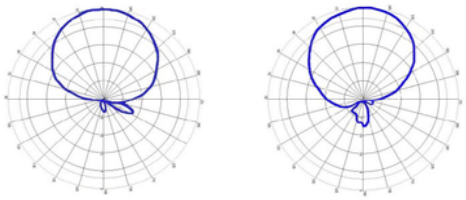
**Part Numbers**

| | | |
|---|---|---|
| Right Hand Circularly Polarised | FCC | 75305 |
| | ETSI | 75453 |
| Left Hand Circularly Polarised | FCC | 75452 |
| | ETSI | 75454 |

## A7030C Circularly Polarised Antenna



### Radiating Pattern



YZ plane | XZ plane

An ultra-low profile circular polarised flat panel antenna, that provides optimised performance in both the near-field and far-field ranges. Its intelligent and scalable "array-ability" design allows seamless integration into shelving, doorways, workbenches, and walls, maintaining a clean and professional appearance.

**Accessory**
Universal Mounting Plate

4mm stud 71943
6mm stud 71757

### Industries

- Retail
- Logistics
- Medical
- Manufacturing
- Supply chain

### Applications

- Point of sale
- Kanban systems
- Shelving
- Cabinets
- Inventory management

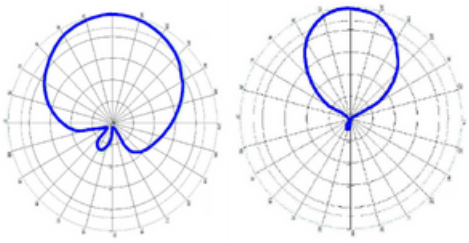
| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 6dBiC |
| 3dB beamwidth | 65° in both planes |
| VSWR | 1.4 typical |
| Front-to-back ratio | -17dB |
| Axial ratio | 2dB typical |
| **Physical Specifications** | |
| Dimensions | 300 x 300 x 8.5mm |
| Weight | 0.83 kg |
| Connector/ cable type | SMA jack, fly lead,<br>side exit |
| Operating/ storage temp | -20° to +55°C /<br>-30° to +65°C |
| IP rating | IP54 |

**Part Numbers**

| | |
|---|---|
| FCC | 71584 |
| ETSI | 71582 |

## A7040 Linearly Polarised Antenna

### Radiating Pattern




The SlimLine A7040 is an ultra-low-profile, linearly polarised RFID antenna built for real-time asset identification and inventory control.

Its flat-panel design delivers consistent, high-accuracy reads and a clean, professional installation, making it ideal for high-value asset tracking in space-constrained or customer-facing areas.

### Industries

- Logistics
- Manufacturing
- Supply chain

### Applications

- Kanban
- Shelving
- Cabinets
- Inventory management
- Conveyors

**Accessory**
Universal Mounting Plate

4mm stud 71943
6mm stud 71757

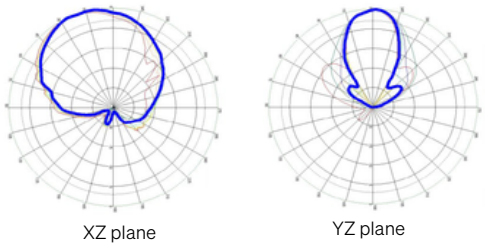
| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 7.5dBi typical |
| 3dB beamwidth | 80° in YZ plane<br>45° in XZ plane |
| VSWR | 1.6 typical |
| Front-to-back ratio | -22dB |
| **Physical Specifications** | |
| Dimensions | 400 x 250 x 8mm |
| Weight | 0.88kg |
| Connector/ cable type | SMA jack, fly lead, side exit |
| Operating/ storage temp | -20° to +55°C/<br>-30° to +65°C |
| IP rating | IP54 |

**Part Numbers**

| | |
|---|---|
| FCC | 71204 |
| ETSI | 71201 |

## A7060 Linearly Polarised Antenna

### Radiating Pattern




The SlimLine A7060 is a high gain, linear antenna, perfect for creating powerful and focused read zones where tag orientation is consistent. Deep pallet scans and smart shelving are two ideal use cases for this antenna, with it's concentrated 'curtain' shaped beam.

### Industries

- Logistics
- Manufacturing
- Supply chain

### Applications

- Kanban
- Shelving
- Cabinets
- Inventory management
- Conveyors

**Accessory**
Universal Mounting Plate

4mm stud 71943
6mm stud 71757

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 9dBi typical |
| 3dB beamwidth | 65° in YZ plane<br>30° in XZ plane |
| VSWR | 1.6 typical |
| Front-to-back ratio | -24dB |
| **Physical Specifications** | |
| Dimensions | 600 x 250 x 8mm |
| Weight | 1.2kg |
| Connector/ cable type | SMA jack, fly lead, side exit |
| Operating/storage temp | -20° to +55°C/<br>-30° to +65°C |
| IP rating | IP54 |

**Part Numbers**

| | |
|---|---|
| FCC | 71304 |
| ETSI | 71303 |

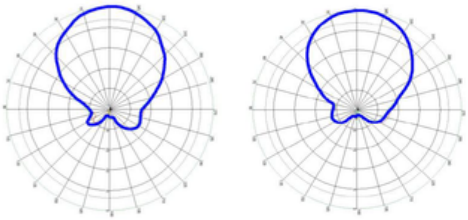
## A4030C Circularly Polarised Antenna

The A4030C is a circularly polarised flat panel RFID antenna that features a rear connector for seamless, discreet installation without visible cabling. This antenna offers read range up to 6 meters within a compact 280mm square footprint, and can be flush mounted with its recessed corner mounting holes or VESA mounted with the addition of it's VESA mounting plate accessory.

**Accessory**

Mounting Plate
Part number 72094

### Radiating Pattern



XZ plane YZ plane

### Industries

- Retail
- Healthcare

### Applications

- Inventory management

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 6.5dBiC typical |
| 3dB beamwidth | 60° in both planes |
| VSWR | 1.4 typical |
| Front-to-back ratio | -26dB |
| Axial ratio | 2dB typical |
| **Physical Specifications** | |
| Dimensions | 280 x 280 x 12mm |
| Weight | 0.74kg |
| Connector/ cable type | SMA jack, rear exit |
| Operating/storage temp | -20° to +55°C/<br>-30° to +65°C |
| IP rating | IP65 |

**Part Numbers**

| | |
|---|---|
| FCC | 71270 |
| ETSI | 71269 |

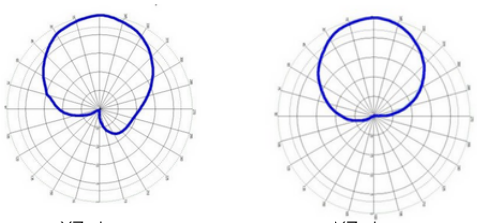
## A4030L Linearly Polarised Antenna

Engineered for longer reach and tight read zones, the A4030L delivers up to 9 metre read range in the same compact 280mm square form factor as the A4030C. Its linear polarisation boosts performance when tag orientation is consistent, making it ideal for portals, conveyors, and shelving applications.

**Accessory**

Mounting Plate
Part number 72094

### Radiating Pattern



XZ plane YZ plane

### Industries

- Healthcare
- Manufacturing
- Logistics
- Supply chain

### Applications

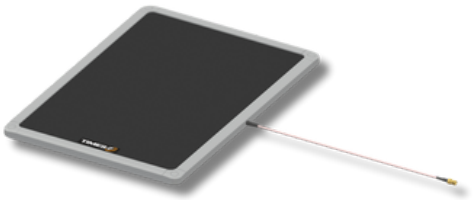
- Medical cabinets
- Conveyors
- Tunnels

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 7.5dBi |
| 3dB beamwidth | 62° in both planes |
| VSWR | 1.8 typical |
| Front-to-back ratio | -22dB |
| **Physical Specifications** | |
| Dimensions | 280 x 280 x 12mm |
| Weight | 0.75kg |
| Connector/ cable type | SMA jack, rear exit |
| Operating/ storage temp | -20° to +55°C/<br>-30° to +65°C |
| IP rating | IP65 |

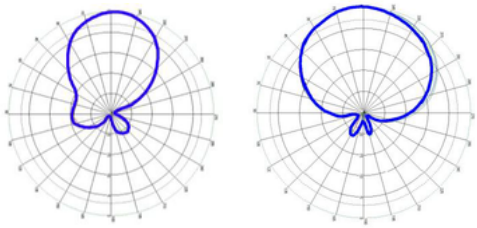
**Part Numbers**

| | |
|---|---|
| FCC | 71272 |
| ETSI | 71271 |

## A6032 Circularly Polarised Antenna



### Radiating Pattern



XZ plane | YZ plane

The A6032 is a high-performance, circularly polarised RFID antenna designed for wide-area coverage, combining IP65-rated durability with a low-profile form factor for seamless integration in indoor and outdoor environments.

**Accessory**

Mounting Plate
Part number 71632

### Industries

- Retail
- Office
- Data centres
- Healthcare

### Applications

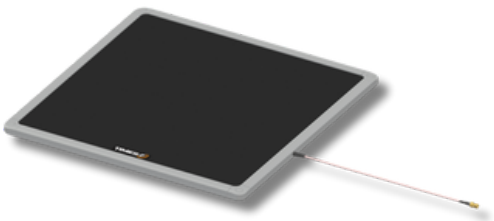
- Cabinets
- Shelving

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 7dBiC typical |
| 3dB beamwidth | 48° in XZ plane<br>75° in YZ plane |
| VSWR | 1.4 typical |
| Front-to-back ratio | -22dB |
| Axial ratio | 2dB typical |
| **Physical Specifications** | |
| Dimensions | 390 x 274 x 12mm |
| Weight | 1kg |
| Connector/ cable type | SMA jack, fly lead, side exit |
| Operating/ storage temp | -20°C to +55°C/ -30°C to +65°C |
| IP rating | IP65 |

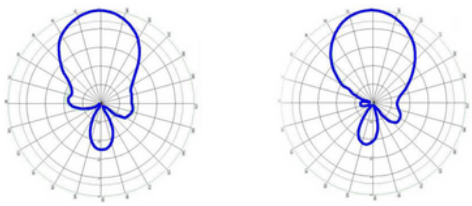
**Part Numbers**

| | |
|---|---|
| FCC | 70808 |
| ETSI | 70802 |

## A6034S Circularly Polarised Antenna



### Radiating Pattern



XZ plane | YZ plane

The A6034S is a circularly polarised SlimLine antenna that offers an impressive read range of up to 9 meters. It features a concentrated, symmetrical beam that ensures an exceptionally accurate and controlled read zone.

**Accessory**

Mounting Plate 71633

### Industries

- Manufacturing
- Retail

### Applications

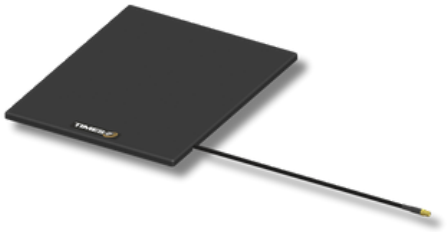
- Inventory management
- Asset management

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 9dBiC typical |
| 3dB beamwidth | 50° in both planes |
| VSWR | 1.4 typical |
| Front-to-back ratio | -13dB |
| Axial ratio | 2dB typical |
| **Physical Specifications** | |
| Dimensions | 393 x 393 x 12.2mm |
| Weight | 1.45kg |
| Connector/ cable type | SMA jack, fly lead, side exit |
| Operating/ storage temp | -20° to +55°C/ -30° to +65°C |
| IP rating | IP65 |

**Part Numbers**

| | |
|---|---|
| FCC | 71003 |
| ETSI | 71002 |

# B6031 Circularly Polarised Antenna

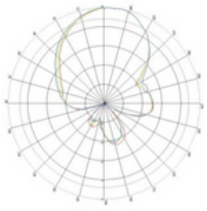


The B6031 is an ultra-low profile, circularly polarised antenna, designed to effortlessly blend in to most environments and serve a wide variety of applications. With similar dimensions and weight to a tablet PC, and either flush mounting or VESA bracket mounting via its mounting plate accessory, this antenna is a versatile choice.

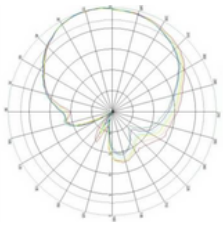
**Accessory**

Mounting Plate
Part number 71631

## Radiating Pattern



XZ plane



YZ plane

## Industries

- Office
- Retail

## Applications

- Asset tracking
- Inventory management

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 5dBiC typical |
| 3dB beamwidth | 60° in XZ plane<br>80° in YZ plane |
| VSWR | 1.4 typical |
| Front-to-back ratio | -15dB |
| Axial ratio | 2dB typical |
| **Physical Specifications** | |
| Dimensions* | 279 x 218 x 8.3mm |
| Weight* | 0.5kg |
| Connector/ cable type | SMA jack, fly lead, side exit |
| Operating/ storage temp | -20° to +55°C/<br>-30° to +65°C |
| IP rating | IP54 |

**Dimensions and weight provided are for formed radomes*

**Part Numbers**

| | | |
|---|---|---|
| Formed radome | FCC | 75235 |
| | ETSI | 75234 |
| Flat radome | FCC | 71827 |
| | ETSI | 71828 |

# NEAR-FIELD ANTENNAS

Times-7 near-field antennas are purpose-built for close-range, item-level identification where precision matters. They create a tightly controlled read zone that minimizes stray reads, performs reliably around metals and liquids, and delivers consistent results at the counter, on the bench, or embedded in equipment.

## Common use cases

### Warehouse

Tool tracking

Packing stations

Conveyor systems

### Retail

Point-of-sale (check-out bins / returns)

Jewellery tracking

High value asset tracking

### Logistics

Access control

Surgical equipment tracking

Medical fridges / vaccine tracking

Times-7 near-field antennas excel in retail POS and returns, smart shelving, and self-checkout; in healthcare, pharma, and labs for vials, syringes, and trays; across manufacturing workcells, kitting, WIP, and tool tracking; and for jewelry, cosmetics, electronics, and other small item tracking.

**Why use Times-7 near-field antennas?**

✓ Controlled read zone directly above the antenna surface for clear location based reads and no strays.

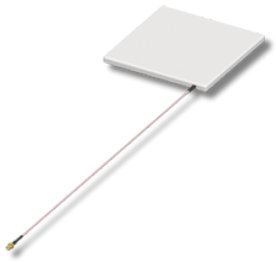
✓ Limits stray reads so nearby tags stay out of the session and your data stays clean.

✓ Lower impact from liquids and metals thanks to coupling-based near-field performance.

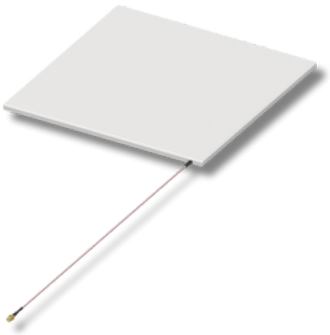
✓ High-density capable for tightly packed items, trays, and bins.

✓ Integration-friendly ultra-slim profiles, multiple footprints, and flexible mounting for counters, cabinets, kiosks, and conveyors.

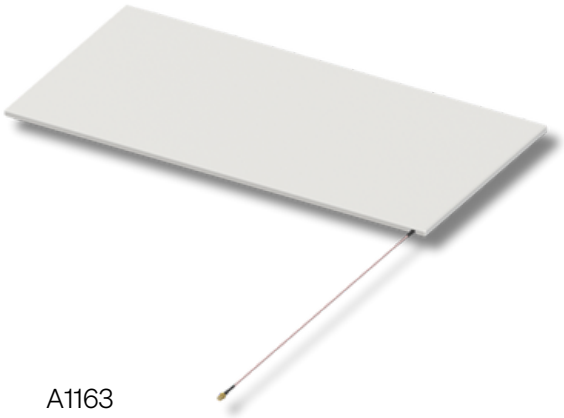
# True NearField™ Series



A1115



A1130



A1163

Designed with a genuine near-field RF profile, these antennas eliminate stray reads and maintain a sharply defined read zone for precise item-level tracking.

The series is available in three standard sizes, and white and black variants, to accommodate different read area dimensions and applications.

**Accessory**
Universal Mounting Plate

4mm stud 71943
6mm stud 71757

| | A1115 | A1130 | A1163 |
|---|---|---|---|
| **Electrical Specifications** | | | |
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) | | |
| Far-field gain equivalent | -10.5dBi typical | -11.5dBi typical | -12.5dBi typical |
| VSWR | 1.95 typical | | |
| **Physical Specifications** | | | |
| Dimensions* | 154 x 154 x 8.5mm | 304 x 304 x 8.5mm | 608 x 308 x 9.7mm |
| Weight* | 0.154kg | 0.98kg | 1.175kg |
| Connector | SMA jack, fly lead, side exit | | |
| Cable type | RG316 / 482mm / 19” | | |
| Operating/ storage temp | 0° to + 50°C / -30° to + 50°C | | |
| IP rating | IP54 | | |

**Dimensions and weight provided are for formed radomes*

| Part Numbers | | A1115 | | A1130 | | A1163 | |
|---|---|---|---|---|---|---|---|
| | | Black | White | Black | White | Black | White |
| Formed Radome | FCC | 75242 | 75243 | 75246 | 75247 | 75250 | 75251 |
| | ETSI | 75240 | 75241 | 75244 | 75245 | 75248 | 75249 |
| Flat Radome | FCC | 72028 | 72030 | 72023 | 72026 | 72032 | 72034 |
| | ETSI | 72027 | 72029 | 72022 | 72025 | 72031 | 72033 |

## Custom-sized True Near-fields

For specialised requirements, custom-sized antennas can also be developed, offering maximum flexibility for unique environments.

**Talk to us today about your requirements**

## A5020NF Near-field Antenna

The A5020NF is a compact near-field antenna delivering precise, short-range reads with IP68-rated durability for demanding indoor and outdoor environments.

**Accessory**

A5020 Connector Protection Backplate 72394

**Industry**

- Manufacturing
- Retail

**Applications**

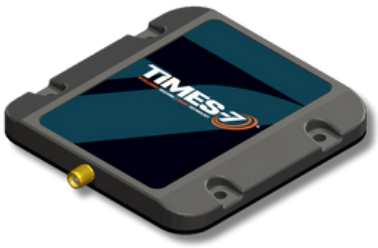
- Inline/offline tag testing
- Point of sale
- Direct contact reads

| Electrical Specifications | |
|---|---|
| Frequency range | 865-928 MHz (wideband) |
| Far-field gain | Equivalent to -30dBi typical |
| VSWR | 1.4 typical |
| **Physical Specifications** | |
| Dimensions | 150 x 150 x 14mm |
| Weight | 0.23kg |
| Connector/ cable type | SMA jack, side exit |
| Operating/ storage temp | -30°C to +65°C |
| IP rating | IP68 |

**Part Number**

| | |
|---|---|
| FCC/ETSI Wideband | 72057 |

## A1001 Near-field Antenna




The A1001 is Times-7's smallest near-field RFID antenna, delivering precise on-surface reads and seamless integration into compact indoor environments. Optimised for Tap-and-Go.

**Industries**

- Retail
- Offices
- Hospitality
- Transport

**Applications**

- PoS
- Access control
- Ticket swiping

| Electrical Specifications | |
|---|---|
| Frequency range | 865-928 MHz (wideband) |
| Far-field gain | Equivalent to -20dBi typical |
| VSWR | 1.4 typical |
| **Physical Specifications** | |
| Dimensions | 82 x 82 x 9.6mm |
| Weight | 0.05kg |
| Connector/ cable type | SMA jack, side exit |
| Operating/ storage temp | 0°C to +50°C/ -30°C to +60°C |
| IP rating | IP54 |

**Part Number**

| | |
|---|---|
| FCC/ETSI Wideband | 71203 |

# SPECIALISED ANTENNAS

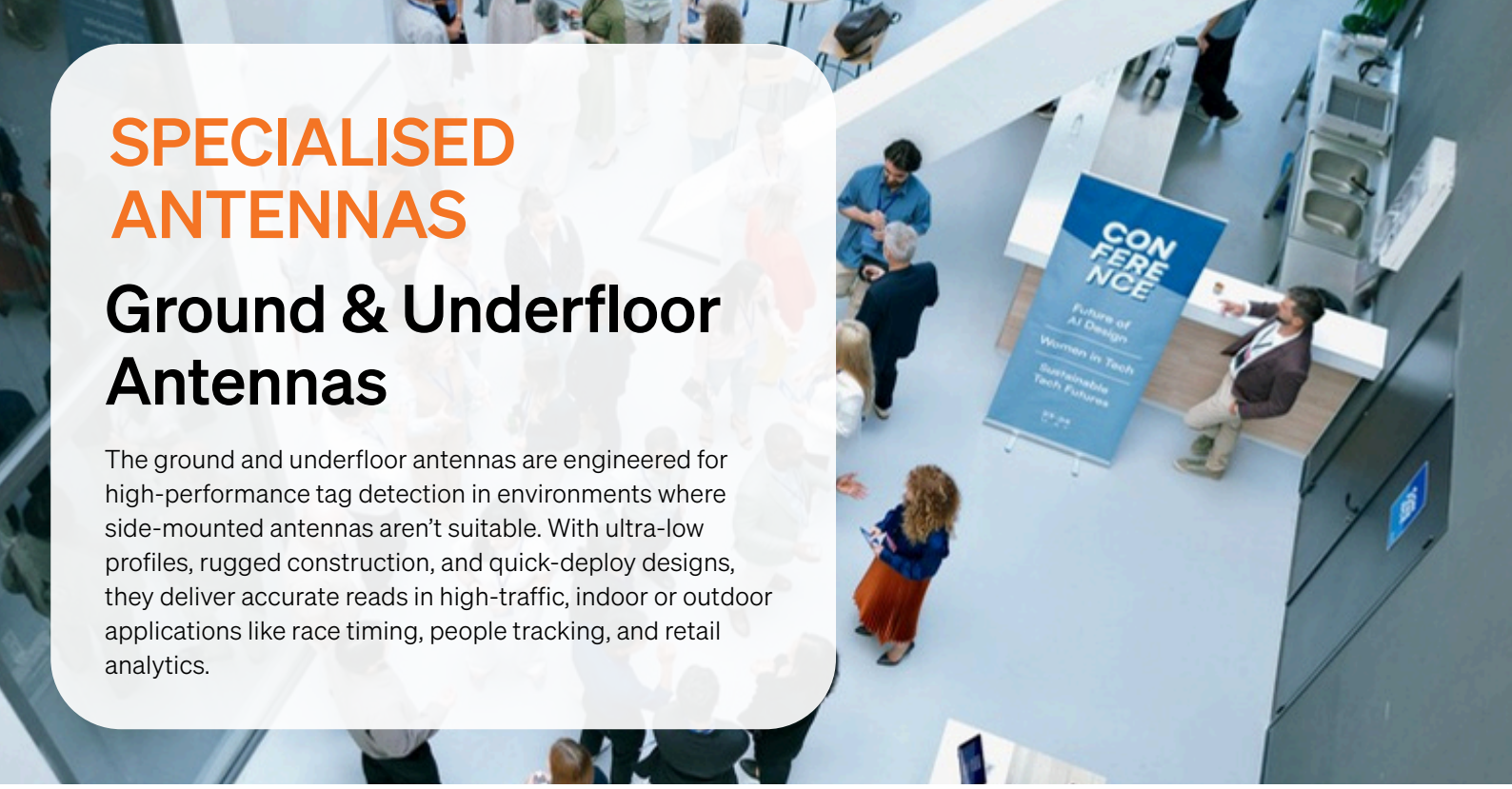
Discover Times-7's Specialised Antennas: purpose-built RAIN RFID solutions for unique read zones like doorways, floors/underfloor, and airport baggage handling. From sleek portals to large-format airport panels, these antennas are engineered to maximise coverage, control stray reads, and perform reliably in high-traffic, space-constrained environments.

## Ground & Underfloor Antennas

## Doorway Antennas


## Airport & Conveyor Antennas

## Tunnel, Scanners & Packing Station Antennas




# SPECIALISED ANTENNAS

# Ground & Underfloor Antennas

The ground and underfloor antennas are engineered for high-performance tag detection in environments where side-mounted antennas aren't suitable. With ultra-low profiles, rugged construction, and quick-deploy designs, they deliver accurate reads in high-traffic, indoor or outdoor applications like race timing, people tracking, and retail analytics.

## A6590 Series

The SlimLine A6590 series antennas are ultra-low profile, with a convenient doorway-sized footprint, and available in either a circularly or linear polarised version.

This antenna has a footprint perfect for transforming a standard doorway into an intelligent access point.

**Industries**

- Hospitality
- Event
- Libraries

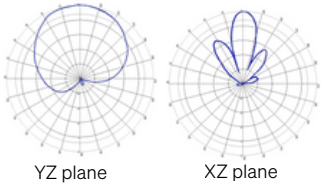
**Applications**

- Inventory management
- People tracking
- Conferences

| | A6590C | A6590L |
|---|---|---|
| **Electrical Specifications** | | |
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) | |
| Far-field gain | 9dBiC typical | 10dBi typical |
| 3dB beamwidth | 20° in XZ plane<br>80° in YZ plane | 23° in XZ plane<br>72° in YZ plane |
| VSWR | 1.4 typical | |
| Front-to-back ratio | -24dB | -20dB |
| Axial ratio | 24dB typical | Not applicable |
| **Physical Specifications** | | |
| Dimensions | 915 x 305 x 8mm | |
| Weight | 2.4kg | 2kg |
| Connector/cable type | See part number table below | |
| Operating/storage temp | -20°C to +55°C / -30°C to +65°C | |
| IP rating | IP65 | |

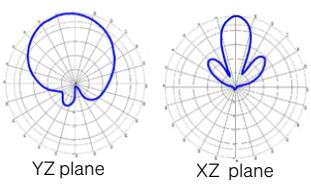
### Radiating Pattern

**A6590C**



YZ plane XZ plane

**A6590L**

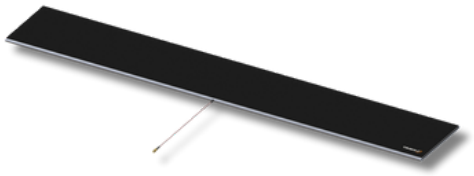


YZ plane XZ plane

### Part numbers

| | | |
|---|---|---|
| A6590C<br>SMA jack, fly lead , side exit 300mm | FCC | 71325 |
| | ETSI | 71324 |
| A6590C<br>RP-TNC plug 2m | FCC | 71749 |
| | ETSI | 71799 |
| A6590L<br>SMA jack, fly lead, side exit 300mm | FCC | 71211 |
| | ETSI | 71234 |
| A6590L<br>RP-TNC plug 2m | FCC | On request |
| | ETSI | On request |

# A5531 Series



The A5531 antenna series stands out as high-performance ground antennas optimised for various applications involving moving products, assets and people. Ideal for environments where side or overhead antennas aren't practical.

### Industries

- Event
- Manufacturing
- Transport
- Logistics
- Retail

### Applications

- People tracking
- Inventory tracking
- Logistics gates
- Bay partitioning

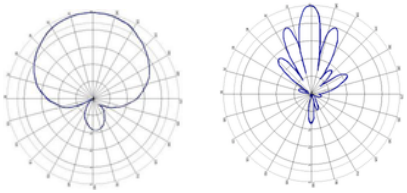
| | A5531C | A5531V | A5531H |
|---|---|---|---|
| **Electrical Specifications** | | | |
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) | | |
| Polarisation | Right-hand Circular | Vertical Linear | Horizontal Linear |
| Far-field gain equivalent | 9.5dBiC typical | 10dBi typical | 10dBi typical |
| 3dB beamwidth | 13° in XZ plane<br>85° in YZ plane | 25° in XZ plane<br>70° in YZ plane | 85° in XZ plane<br>13° in YZ plane |
| VSWR | 2.0 typical | 2.0 typical | 2.5 typical |
| Front-to-back ratio | -18dB | -20dB | -18dB |
| **Physical Specifications** | | | |
| Dimensions | 1200 x 195 x 10mm | | |
| Weight | 2.7kg | | |
| Connector | SMA jack, fly lead, side exit | | |
| Cable type/length | RG316 / 298mm | | |
| Operating/ storage temp | 0° to + 50°C / -30° to + 60°C | | |
| IP rating | IP53 | | |

**Part Numbers**

| | | |
|---|---|---|
| **A5531C** | FCC | 71741 |
| | ETSI | 71846 |
| **A5531V** | FCC | 71100 |
| | ETSI | 71103 |
| **A5531H** | FCC | On request |
| | ETSI | On request |

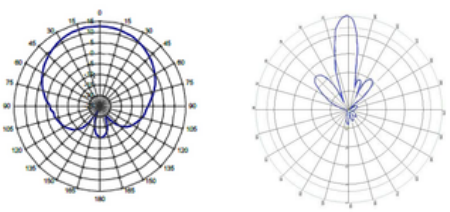
### Radiating Patterns

**A5531C**



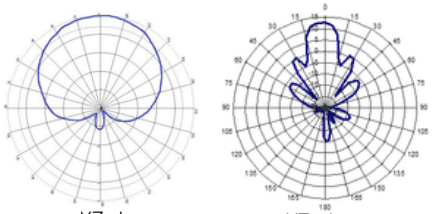
YZ plane XZ plane

**A5531V**

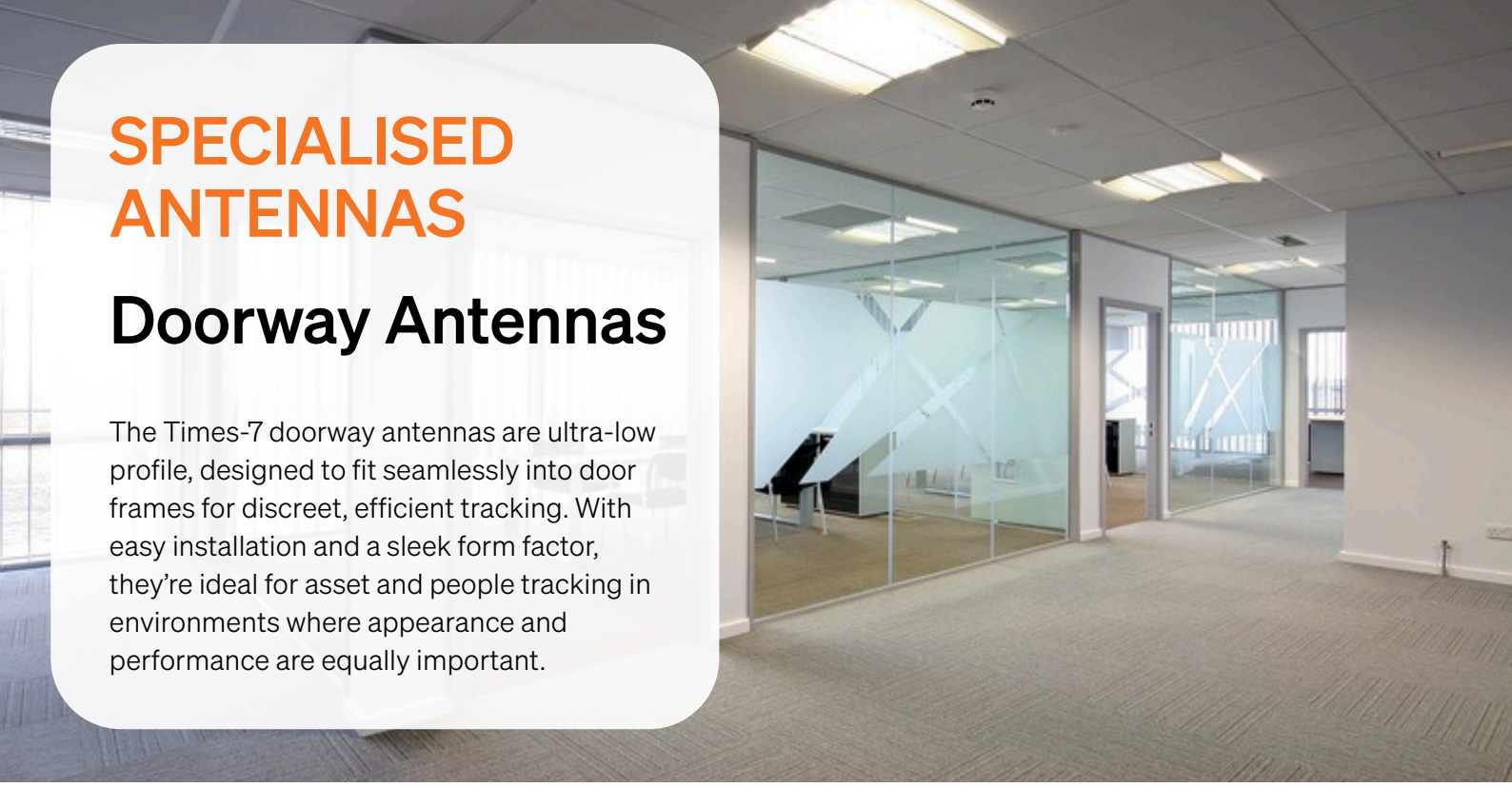


YZ plane XZ plane

**A5531H**



YZ plane XZ plane



# SPECIALISED ANTENNAS

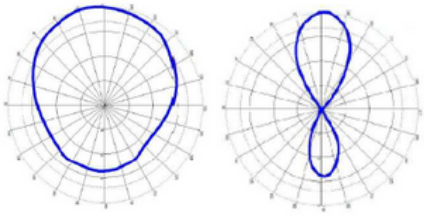
## Doorway Antennas

The Times-7 doorway antennas are ultra-low profile, designed to fit seamlessly into door frames for discreet, efficient tracking. With easy installation and a sleek form factor, they're ideal for asset and people tracking in environments where appearance and performance are equally important.

### A8060 Linearly Polarised Door Frame Antenna

The A8060 is an ultra-low profile linear antenna that easily transforms existing doorways into an RFID portal or read point for spaces where an overhead antenna is not feasible. Designed with adhesive tape on the rear of the antenna for mounting versatility, the A8060 can work as a left, right and/or top mounted antenna within its intended doorway use case.

**Radiating Pattern**



YZ plane XY plane

**Industries**

- Healthcare
- Office
- Events
- Conferences

Applications

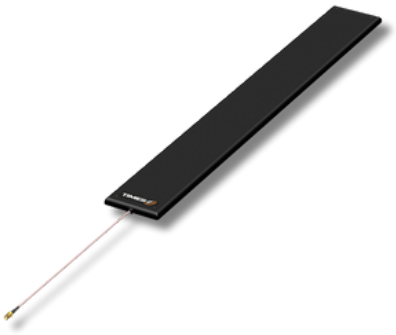
- People tracking
- Inventory tracking
- Asset tracking

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 5dBi typical |
| 3dB beamwidth | 110° in YZ plane<br>30° in XZ plane |
| VSWR | 1.8 typical |
| Front-to-back ratio | -7dB |
| **Physical Specifications** | |
| Dimensions | 650 x 88 x 10.5mm |
| Weight | 0.53kg |
| Connector/ cable type | SMA jack, fly lead, side exit |
| Operating/ storage temp | -20° to +55°C /<br>-30° to +65°C |
| IP rating | IP54 |

**Part Numbers**

| | |
|---|---|
| FCC | 71416 |
| ETSI | 71442 |

# A8065 Combo Doorway Portal Solution



The SlimLine A8065 Combo is a high-performance RFID doorway portal set designed for space-constrained environments that demand reliable tracking. Its ultra-low profile and sleek form factor fit standard door frames with ease, delivering full 360° read coverage while preserving a clean, professional look.

**Industries**

- Healthcare
- Office
- Events
- Conferences

**Applications**

- People tracking
- Asset tracking

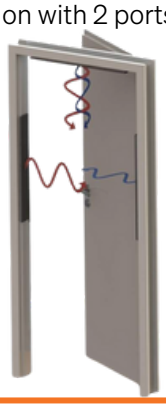
| | A8065 Dual Linear | A8065 Horizontal | A8065 Vertical |
|---|---|---|---|
| **Electrical Specifications** | | | |
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) | | |
| Far-field gain | Horizontal: 3dBi typical;<br>Vertical: 4dBi typical | 6dBi typical | 7.5dBi typical |
| Far-field 3dB beamwidth: | Vertical Pol: 25° in XZ plane;<br>Horizontal Pol: 40° in XZ<br>Vertical Pol: 140° in YZ plane;<br>Horizontal Pol: 110° in YZ | 30° in XZ plane<br>110° in YZ plane | 25° in XZ plane<br>120° in YZ plane |
| VSWR | 2.5 typical | 1.8 typical | 1.8 typical |
| **Physical Specifications** | | | |
| Dimensions | 700 x 90 x 10.5mm | | |
| Weight | 0.58kg | | |
| Connector | SMA, jack, fly lead, side exit | | |
| Cable type/length | RG-316 Cable / 300mm | | |
| Operating/ storage temp | -20° to + 55°C / -30° to + 65°C | | |
| IP rating | IP54 | | |

**This comprehensive solution comprises three distinct antennas:**

**A8065D**

Dual Linear Polarisation with 2 ports: vertical & horizontal

**A8065V**
Vertical Linear Polarisation

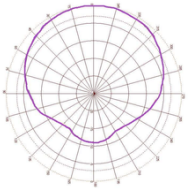


**A8065H**
Horizontal Linear Polarisation

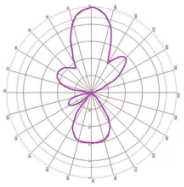
| Part Numbers | | |
|---|---|---|
| **Combo (3 x antennas)** | FCC | 71880 |
| | ETSI | 71881 |
| **A8065D only** | FCC | 71882 |
| | ETSI | 71883 |
| **A8065V only** | FCC | 71884 |
| | ETSI | 71885 |
| **A8065H only** | FCC | 71886 |
| | ETSI | 71887 |

**Radiating Patterns**

**A8065 Dual Linear Vertical**

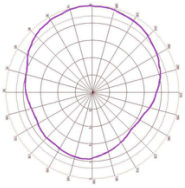


YZ plane

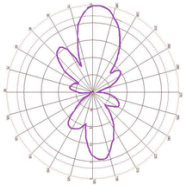


XZ plane

**A8065 Dual Linear Horizontal**

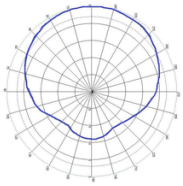


YZ plane

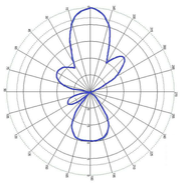


XZ plane

**A8065V**

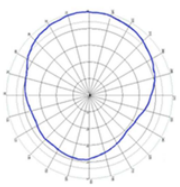


YZ plane

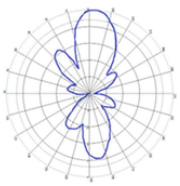


XZ plane

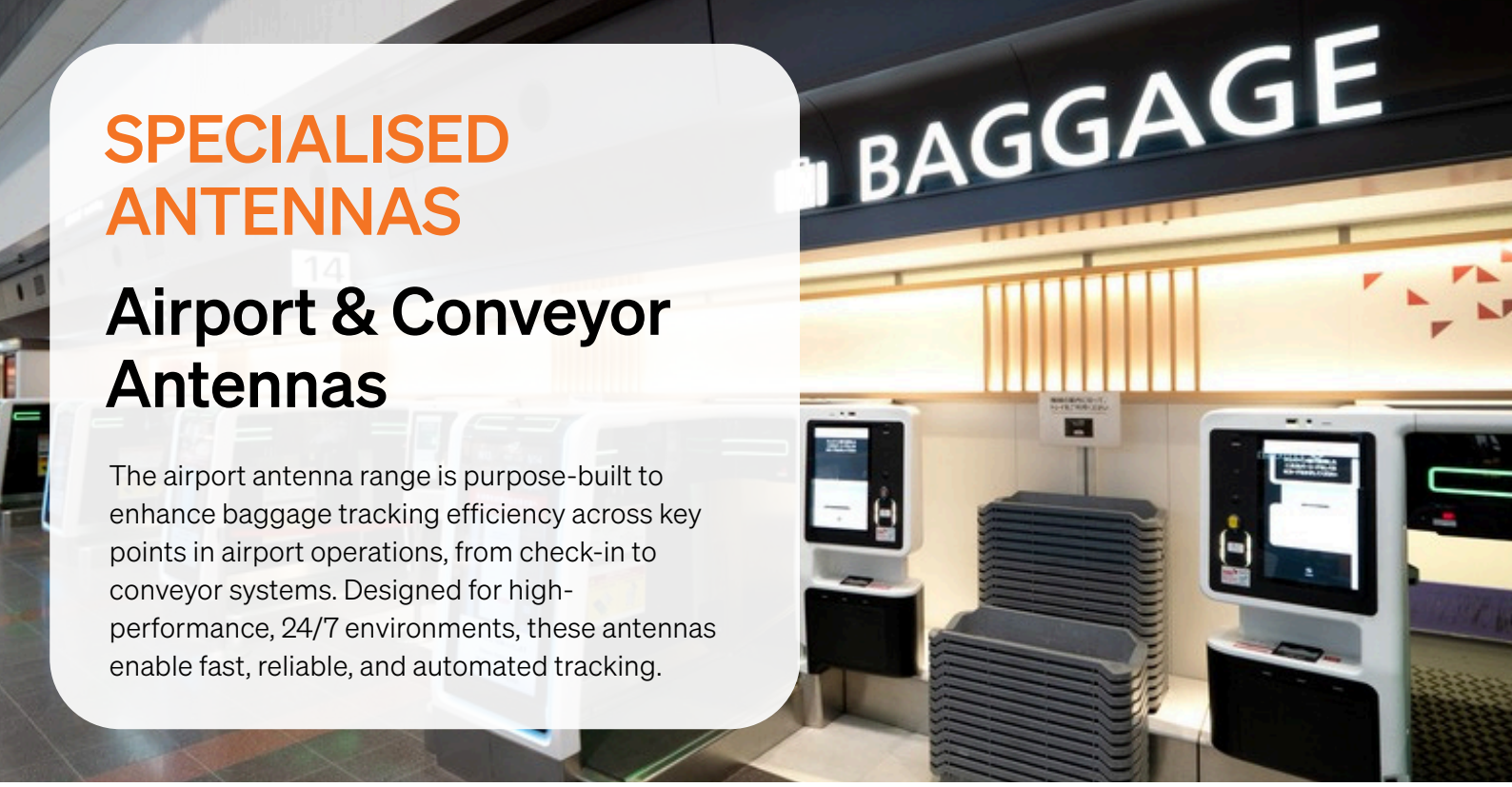
**A8065H**



YZ plane



XZ plane



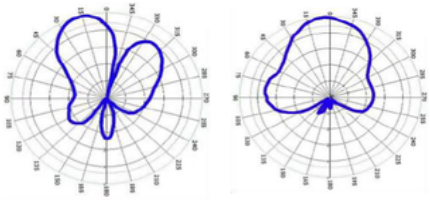

# SPECIALISED ANTENNAS

## Airport & Conveyor Antennas

The airport antenna range is purpose-built to enhance baggage tracking efficiency across key points in airport operations, from check-in to conveyor systems. Designed for high-performance, 24/7 environments, these antennas enable fast, reliable, and automated tracking.

### A6015 Circularly Polarised Antennas

**Radiating Pattern**



XZ plane YZ plane

The SlimLine A6015 is a circularly polarised flat panel antenna, designed to be integrated into self check-in airport systems. Equipped with UHF ActivBeam™ active beam switching technology, this antenna goes the extra mile to enhance read performance. It doesn't just read RFID tags; it actively 'searches' for them, ensuring that bag tags are never missed.

**Industries**

- Airport

**Applications**

- Airport baggage handling system

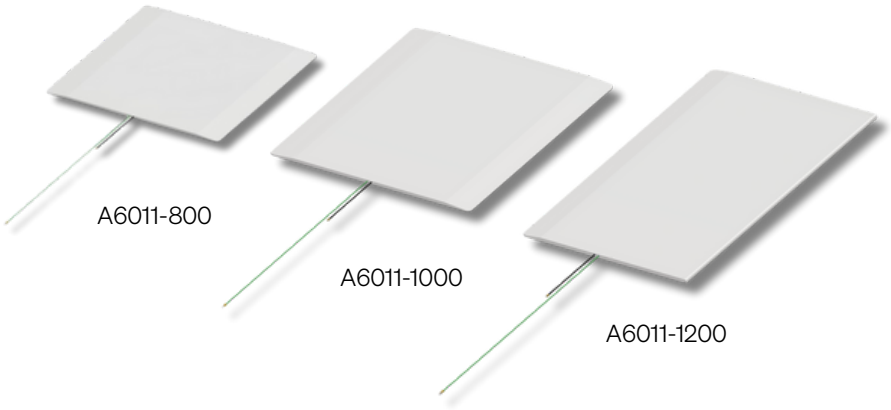
| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 4dBiC typical |
| Read Zone Above Belt | ⩽ 1500mm |
| Read Zone Across Belt | ⩽ 1000mm |
| VSWR | 1.8 typical |
| Front-to-back ratio | -15dB |
| **Physical Specifications** | |
| Dimensions | 549 x 380 x 12mm |
| Weight | 2.6kg |
| Connector/ cable type | RP-SMA, jack, fly lead, side exit |
| Operating/ storage temp | -0°C to +50°C/<br>-30°C to +60°C |
| IP rating | IP54 |

**Part Numbers**

| | |
|---|---|
| FCC | 71420 |
| ETSI | 71419 |

## A6011 Series

The A6011 antennas are flat panel antennas array especially suited to conveyor belt-based RAIN RFID applications. Encased in an ultra-low-profile UHMWPE (Ultra-High Molecular Weight Polyethylene) radome, the A6011 is designed for continuous 24x7 operation in environments where downtime is not an option.




| | A6011-800 | A6011-1000 | A6011-1200 |
|---|---|---|---|
| **Electrical Specifications** | | | |
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) | | |
| Far-field gain equivalent | 10dBiC typical | 10dBiC typical | 11dBiC typical |
| 3dB beamwidth | 70° in XZ plane<br>25° in YZ plane | 70° in XZ plane<br>25° in YZ plane | 60° in XZ plane<br>22° in YZ plane |
| VSWR | 1.8 typical | 1.8 typical | 2 typical |
| Front-to-back ratio | -20dB typical | -20dB typical | -22dB typical |
| Axial ratio | 2dB typical | | |
| **Physical Specifications** | | | |
| Dimensions | 800 x 800 x 12mm | 1000 x 800 x 12mm | 1200 x 600 x 12mm |
| Weight | 8kg | 8.5kg | 9kg |
| Operating/ storage temp | 0° to +50°C /-30° to +60°C | | |
| Connector | SMA, jack, fly lead, side exit | | |
| IP rating | IP54 | | |

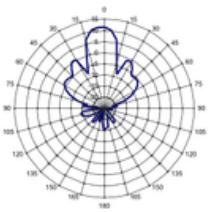
### Industries

- Airport

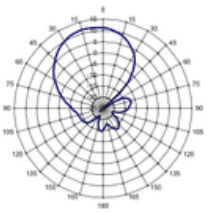
### Applications

- Airport baggage handling system
- Conveyor based item tracking

### Radiating Pattern



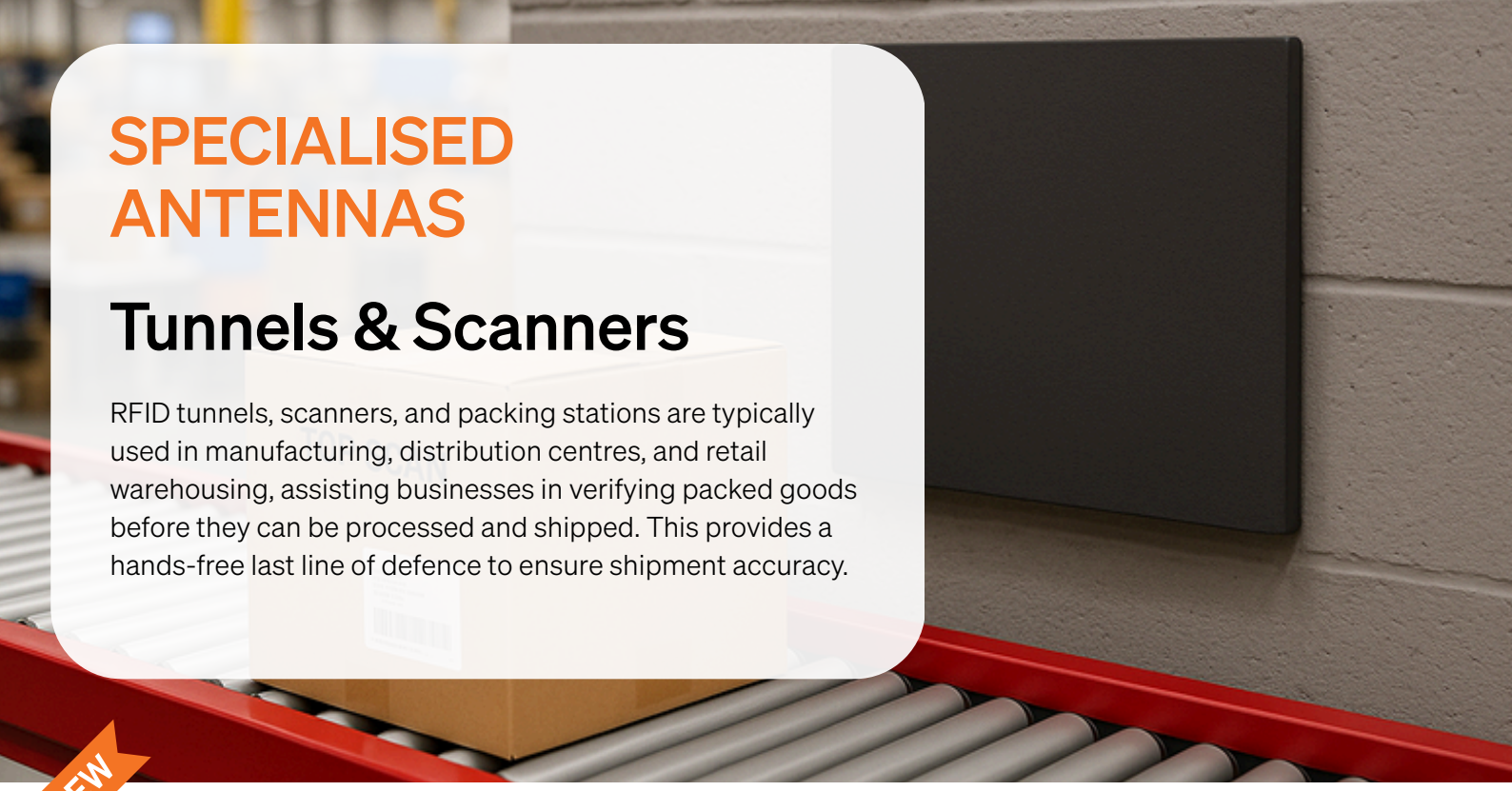
XZ plane



YZ plane

**Part Numbers**

| | | |
|---|---|---|
| A6011-800 | FCC | 71906 |
| | ETSI | 71891 |
| A6011-1000 | FCC | 71919 |
| | ETSI | 71892 |
| A6011-1200 | FCC | 70731 |
| | ETSI | 70730 |



# SPECIALISED ANTENNAS

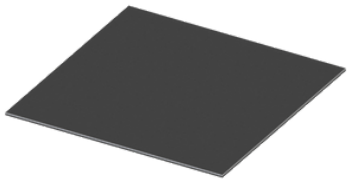
## Tunnels & Scanners

RFID tunnels, scanners, and packing stations are typically used in manufacturing, distribution centres, and retail warehousing, assisting businesses in verifying packed goods before they can be processed and shipped. This provides a hands-free last line of defence to ensure shipment accuracy.

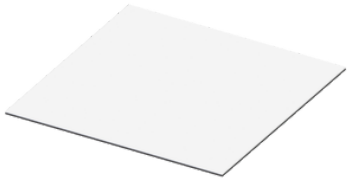
NEW

### A9044M Packing Station Antenna

Back of antenna



Front view (black radome)



Front view (white radome)

**Powerful, Compact and Lightweight**

The Packing Station Antenna is able to read thousands of densely packed items in seconds!

The Packing Station Antenna is engineered for reliable item-level reads in densely packed product environments. Outperforming conventional multi-patch arrays in standard portal setups, the Packing Station Antenna uses a high-gain, multi-patch design with varied orientations to deliver 100% read rates when integrated into tunnel systems.

Whether deployed as a standalone tabletop unit or built into a tunnel, the Packing Station Antenna enables efficient, adaptable workflows and can read over a thousand tags in seconds.

**Industries**

- Manufacturing
- Logistics
- Retail

**Applications**

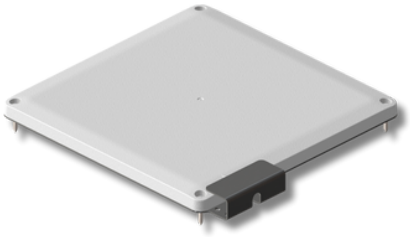
- Packing and shipping verification
- E-commerce

| Electrical Specifications | |
|---|---|
| Frequency range | 902-928 MHz (FCC)<br>865-868 MHz (ETSI) |
| Far-field gain | 7dBi typical |
| 3dB beamwidth (Port 2 & 3) | 65° in Azimuth and Elevation planes with 10° beam tilt |
| 3dB beamwidth (Port 1 & 4) | 30° and 40°in Azimuth and Elevation with 15-20° beam tilt |
| VSWR | 1.85 typical |
| Front-to-back ratio | -15dB typical |
| **Physical Specifications** | |
| Dimensions | 640 x 650 x 8.6mm (21.1mm with connectors) |
| Weight | 2kg |
| Connector/cable type | Four connectors, SMA jack, rear exit |
| Operating/storage temp | -20°C to +55°C |
| IP rating | IP54 |

| Part Numbers | Black | White |
|---|---|---|
| FCC | 75331 | 75576 |
| ETSI | 75330 | 75575 |

# ACCESSORIES

Times-7 accessories help you install faster and protect your investment. Choose Connector Protector Backplates to shield coax connections in busy or moving environments, and Mounting Plates with industry-standard 100×100 mm VESA patterns for clean, interior or exterior installs. Achieve best performance results with our range of low loss cable accessories.



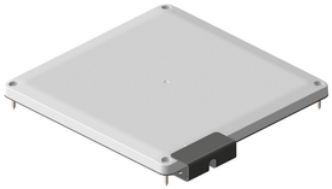
## Connector Protection Backplates

## Mounting Plates

## Cables

## Connector Protection Backplates

The Connector Protection Backplates allow the antenna to be flush mounted or VESA mounted. To install the backplate, attach it to the rear side of the antenna. The backplate extends over the connector and is secured via the existing antenna mounting holes. The backplate can be used with right-angled and straight cable connectors.



**A5010**
**Connector Protection Backplate**

**A5020**
**Connector Protection Backplate**

| | A5010 Connector Protection Backplate | A5020 Connector Protection Backplate |
|---|---|---|
| **SPECIFICATIONS** | | |
| Dimensions (L x W) | 280 x 250mm | 180 x 150mm |
| Plate thickness | 1.5mm | 1.5mm |
| Flange | 72 x 30mm | 72 x 30mm |
| Weight | 0.80kg | 0.30kg |
| Corner hole diameter | 7mm | 7mm |
| Materials | Stainless Steel | Stainless Steel |
| **Part Numbers** | 72400 | 72394 |

## Mounting Plates

Times-7 provides mounting plates for a wide range of antenna models. All mounting plates with industry-standard VESA mount (100 x 100 mm) have been designed with installation simplicity in mind and cater for both interior and exterior mounting requirements under all environmental conditions.

**A5060/ A1163 Mounting Plate**

**A1130 Mounting Plate**

**Universal Mounting Plate 4mm & 6mm**

**A6032 Mounting Plate**

**A4030C/L Mounting Plate**

**A6034S Mounting Plate**

**B6031 Mounting Plate**

| | A5060/ A1163 Mounting Plate | A1130 Mounting Plate | Universal Mounting Plate - 4mm stud | Universal Mounting Plate 6mm stud | A4030C/L Mounting Plate | A6032 Mounting Plate | A6034S Mounting Plate | B6031 Mounting Plate |
|---|---|---|---|---|---|---|---|---|
| Dimensions (L x W) | 599 x 299mm | 299 x 299mm | 140 x 140mm | 140 x 140mm | 278 x 278mm | 389 x 273mm | 392 x 392mm | 273 x 212mm |
| Plate thickness | 2mm | 2mm | 2mm | 2mm | 2mm | 2mm | 2mm | 2mm |
| Stud length | 19mm | 19mm | 19mm | 19mm | 19mm | 19mm | 19mm | 19mm |
| Stud size | 4mm | 4mm | 4mm | 6mm | 4mm | 4mm | 4mm | 4mm |
| Weight | 0.85kg | 0.40kg | 0.10kg | 0.10kg | 0.35kg | 0.45kg | 0.65kg | 0.25kg |
| Hole diameter | 4.2mm | 4.3mm | N/A | N/A | 5mm | 3.5mm | 3.42mm | 4.8mm |
| Materials | Aluminium | Aluminium | Aluminium | Aluminium | Aluminium | Aluminium | Aluminium | Aluminium |
| Material finish | White powder coated | White powder coated | Grey powder coated | Grey powder coated | Grey powder coated | Grey powder coated | Grey powder coated | Grey powder coated |
| **Part numbers** | 72095 | 72093 | 71943 | 71757 | 72094 | 71632 | 71633 | 75544 |

## Cables

For optimal performance, we offer a selection of low-loss cable accessories. All our standard cables come with SMA to RPTNC connectors; we can customise them to your specific requirements, including length and connector types.

| PHYSICAL SPECIFICATIONS | | | |
|---|---|---|---|
| | T-7 195 | T-7 240 | T-7 400 |
| Min bend radius | 25mm | 30mm | 51mm |
| Operating/ Storage temperature | -40° to +80°C | | |
| Outer Diameter | 4.95mm | 6.10mm | 10.29mm |
| **ATTENUATION AND AVERAGE POWER (20°C)** | | | |
| Attenuation (dB/100m) | 36.50 | 24.80 | 12.80 |
| Average Power (kW) | 0.14 | 0.23 | 0.50 |
| **CABLE LOSS (dB)** | | | |
| Cable 2m, SMA to RP-TNC | 0.65 | 0.39 | 0.26 |
| Cable 4m, SMA to RP-TNC | N/A | 0.78 | 0.51 |
| Cable 6m, SMA to RP-TNC | N/A | 1.17 | 0.77 |
| Cable 8m, SMA to RP-TNC | N/A | 1.56 | 1.03 |
| **PART NUMBERS** | | | |
| Cable 2m, SMA to RP-TNC | 71436 | 71782 | 72042 |
| Cable 4m, SMA to RP-TNC | N/A | 71784 | 72043 |
| Cable 6m, SMA to RP-TNC | N/A | 71904 | 72044 |
| Cable 8m, SMA to RP-TNC | N/A | 71788 | 72045 |

## Need assistance with selecting the right atenna for your application?

The Times-7 team are here to help.

### Online tools

**Explore Real-World Use Cases**
Visit our Applications page to see how Times-7 antennas are used across industries, along with guidance on key selection factors such as read range, polarisation, environmental ratings, mounting profiles

**Product Comparison Tool**
Filter antennas by type, use case, and technical specifications for side by side comparison.

https://www.times-7.com/applications

View the applications page on our website for industry or use-case specific antenna recommendations

### Antenna Recommendation

We begin by exploring your use case in depth, including what you're tracking (assets, inventory, people), the read ranges required, environment (indoor, outdoor, metallic, cleanroom), mounting constraints, tag type, and any regulatory or compliance needs.

We'll propose one or more Times-7 antenna models suited to your needs. We'll explain the trade-offs (e.g. gain vs beam width, polarisation choices) so you feel confident in the your antenna selection choice.

### Guidance & Best Practices

Antenna choice is just one component. Optimal performance depends heavily on a multitude of factors, such as antenna placement, the type of items/assets being read, tag type / how the items are tagged, and read area.

We provide layout advice and tuning tips to maximise read performance in your specific environment.

### Ongoing Support

From pilot tests through full deployment, our technical and customer support teams are available to answer questions, troubleshoot issues, and optimise performance as your system evolves.

### Demo Kits

We also provide sample units and demo kits for testing purposes. Contact sales@times-7.com for your demo kit today.

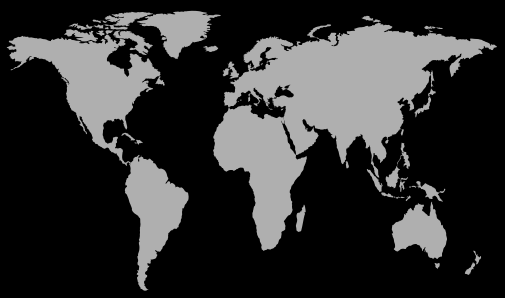
## Global Partner Network

Times-7 works with a worldwide network of authorised distributors and integration partners to deliver local expertise, fast product availability, and trusted support.

Many popular models are stocked regionally, with rapid-ship options and clear lead times for build-to-order antennas.

Find your local Times-7 antenna partner:

https://www.times-7.com/partners/distributors



TIMES-7®
INTELLIGENT TRACKING | SMART TECHNOLOGY

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