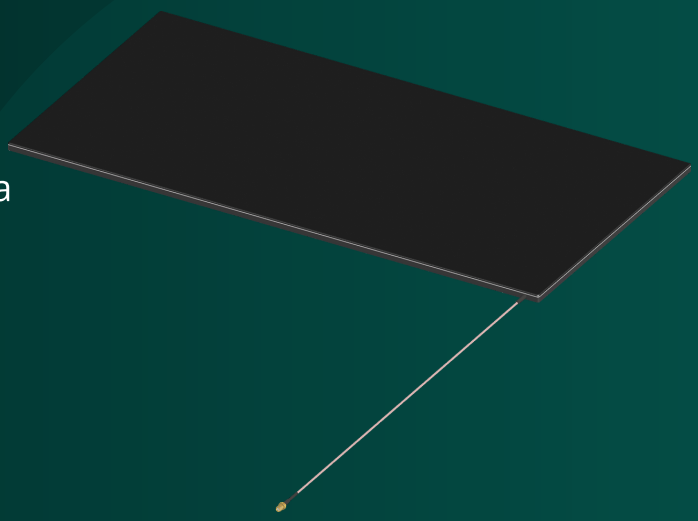
IDCRAFT

RFID & NFC EXPERTS



## UHF RFID | RAIN - True NearField Antenna

# Times-7 - A1163

- 600 x 300 mm confined near-field read zone
- Reliable reads on metal and liquid items
- Only 8.5 mm thin, flat or formed radome
- VSWR 1.95 typical, 3 W max. input power
- Fewer readers and cables per installation

## UHF RFID | RAIN - True NearField Antenna
## Largest True NearField antenna: 600 x 300 mm, 8.5 mm thin

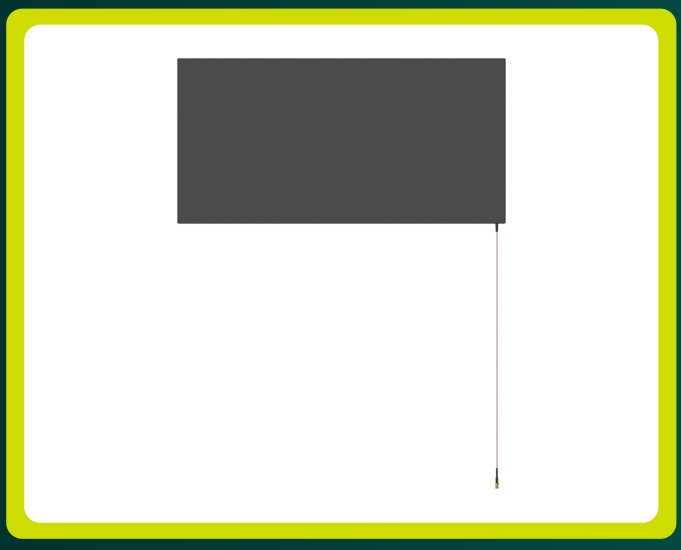
The Times-7 A1163 is the largest antenna of the True NearField series. It detects RAIN RFID tags in a tightly confined 600 x 300 mm zone above its surface, without surface dead spots. The flat-radome version measures 600 x 300 x 8.5 mm and the formed version 604 x 304 x 8.5 mm; net weight is 1.175 kg. The large footprint covers wide shelves and counters with a single antenna, which reduces the number of readers and cables.

The antenna works with the near field at its surface instead of radiating into the room, so liquids and metal in the read area do not cause the unpredictable read ranges seen with far-field antennas, and neighbouring shelves stay out of the read zone. Typical VSWR is 1.95 and the far-field equivalent gain is -12.5 dBi.

The flame-retardant ABS radome is rated IP54 for indoor use from 0 to +50 °C and comes flat or formed, in black or white. An SMA female connector sits on a 482 mm RG316 fly lead. The antenna mounts with screws through its integrated mounting holes or on the dedicated A1163 mounting plate; self-adhesive rubber feet are included for surfaces that cannot be drilled.

## Common Applications

- Retail Shelving
- Point Of Sale Checkout
- Liquid-Filled Products
- Metal Items And Tools
- Counter And Table Reading
- Healthcare Supplies



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# Times-7 - A1163

UHF RFID | RAIN - True NearField Antenna

## TECHNICAL SPECIFICATIONS

### Electrical

| | |
|---|---|
| Frequency Range | 865–867 MHz (ETSI)<br>902–928 MHz (FCC) |
| Field Type | Near-field |
| Read Area | 600 x 300 mm |
| Far-Field Equiv. Gain | -12.5 dBi |
| VSWR | 1.95 typical |
| Impedance | 50 Ω |
| ESD Protection | Yes, DC grounded |
| Antenna Detection | 10 kΩ resistance |
| Max. Input Power | 3 W |

### Ordering Information

| | |
|---|---|
| Black, ETSI | 75248 |
| Black, FCC | 75250 |
| White, ETSI | 75249 |
| White, FCC | 75251 |
| Mounting Plate (A1163) | 72095 |

### Mechanical

| | |
|---|---|
| Dimensions (Flat) | 600 x 300 x 8.5 mm |
| Dimensions (Formed) | 604 x 304 x 8.5 mm |
| Weight | 1.175 kg net |
| Radome | Flame-retardant ABS |
| Colours | Black or white |
| Connector | SMA female fly lead |
| Cable | RG316, 482 mm |
| Mounting | Integrated mounting holes |
| Rubber Feet | Included, 20 x 20 x 1.45 mm |

### Environmental

| | |
|---|---|
| Protection Class | IP54 |
| Operating Temperature | 0 to +50 °C |
| Storage Temperature | -30 to +50 °C |