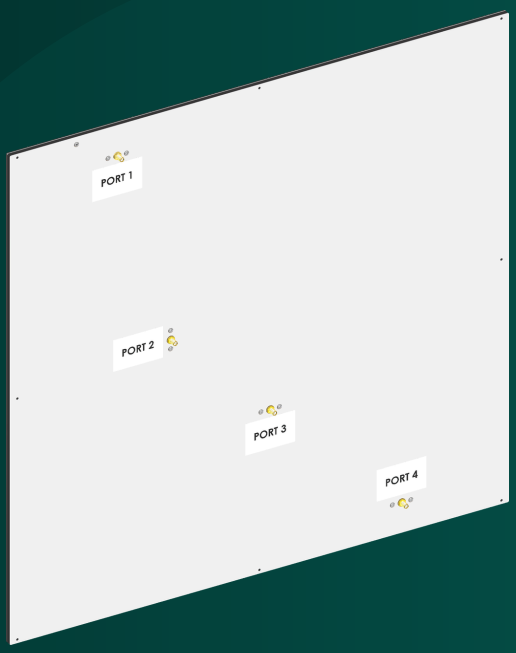
IDCRAFT

RFID & NFC EXPERTS

UHF RFID | RAIN - Packing Station Antenna
Times-7 - A9044M



- Four ports with tilted, multi-linear beams
- 7 dBi typical gain, 65° or 30/40° beams
- Near-field and far-field energy combined
- Only 8.6 mm thick, 640 x 650 mm, 2 kg
- Tabletop unit or integrated in a tunnel

UHF RFID | RAIN - Packing Station Antenna
4-port multi-linear packing antenna, 7 dBi typ., 8.6 mm

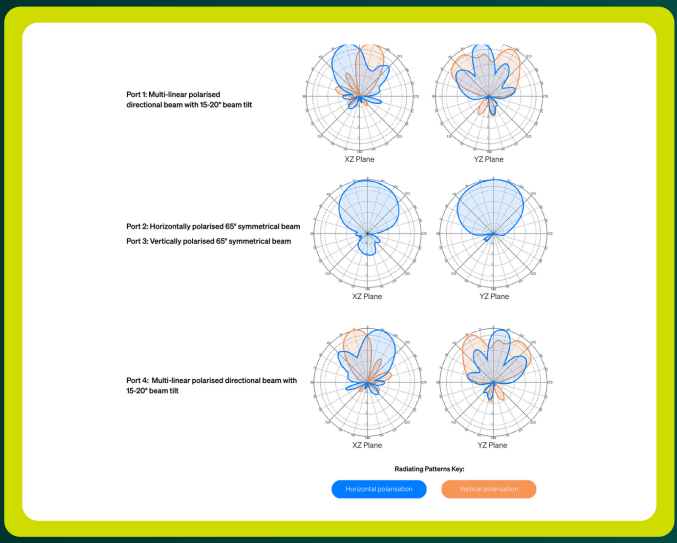
The Times-7 A9044M Packing Station Antenna is a multi-patch, multi-linear RAIN RFID antenna for item-level reads in densely packed goods. Four ports drive patches with different orientations and beam tilts, and the antenna combines evenly distributed near-field and far-field energy. It delivers 7 dBi typical gain in a 640 x 650 mm housing that is only 8.6 mm thick (21.1 mm with connectors) and weighs 2 kg.

Ports 2 and 3 produce symmetrical 65° beams with 10° tilt, horizontally and vertically polarised; ports 1 and 4 produce multi-linear directional beams of 30° and 40° with 15–20° tilt. Operated with a four-port reader, the tilted beams and polarisation diversity read over a thousand tags in seconds.

A flame-retardant, UV-resistant ABS radome in black or white is rated IP54 for -20 to +55 °C. Eight perimeter mounting holes allow tabletop, side-mounted or tunnel integration; the four SMA female connectors exit at the rear. Point loads must not exceed 7 kg per square centimetre and distributed loads 500 kg. The antenna is shipped two per box; VSWR is 1.85 and front-to-back ratio 15 dB typical; the antenna accepts up to 3 W and has a 10 kΩ detection resistance and DC grounding.

Common Applications

- Packing Verification
- Static Scanning Stations
- Kitting And Returns
- Conveyor Side Mounting
- RFID Tunnel Integration
- E-Commerce Fulfilment



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TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Multi-linear
Far-Field Gain	7 dBi typical
Ports	4 (P2 horizontal, P3 vertical, P1/P4 multi-linear)
Beamwidth Ports 2, 3	65° both planes, 10° tilt
Beamwidth Ports 1, 4	30° / 40°, 15–20° tilt
VSWR	1.85 typical
Front-to-Back Ratio	15 dB typical
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

Black, ETSI	75330
Black, FCC	75331
White, ETSI	75575
White, FCC	75576

Mechanical

Dimensions	640 x 650 x 8.6 mm
Depth with Connectors	21.1 mm
Weight	2 kg net
Packaging	2 antennas per box, 9.5 kg
Radome	Flame-retardant, UV-resistant ABS
Colour	Black or white
Connectors	4 x SMA female, rear exit
Mounting	8 perimeter holes
Max. Point Load	7 kg per sq. cm
Max. Distributed Load	500 kg

Environmental

Protection Class	IP54
Operating Temperature	-20 to +55 °C
Storage Temperature	-20 to +55 °C
Compliance	RoHS, REACH, CE data on request