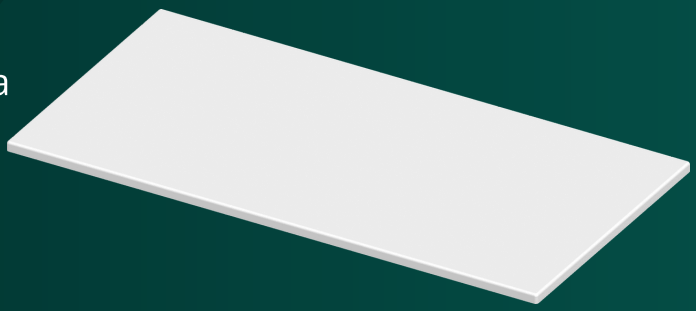
IDCRAFT

RFID & NFC EXPERTS

UHF RFID | RAIN - Far-Field Panel Antenna

Times-7 - A3042



- 10.5 dBiC typ. gain from an 8-patch array
- Narrow 25° x 60° beam, F/B 25 dB
- Left- or right-hand circular versions
- Riveted backplate, M6 VESA 100 studs
- Rear RP-TNC jack, solar-resistant radome

UHF RFID | RAIN - Far-Field Panel Antenna
Robust 10.5 dBiC typ. antenna, LHCP or RHCP, 25° beam, IP54

The Times-7 A3042 is a robust, high-gain RAIN RFID panel antenna from the SlimLine range. An 8-patch array delivers 10.5 dBiC typical gain with a narrow 25° (XZ) by 60° (YZ) 3 dB beamwidth for precise, confined read zones. The panel measures 604 x 304 x 11 mm, or 27.5 mm deep including the mounting studs, and weighs 2.38 kg.

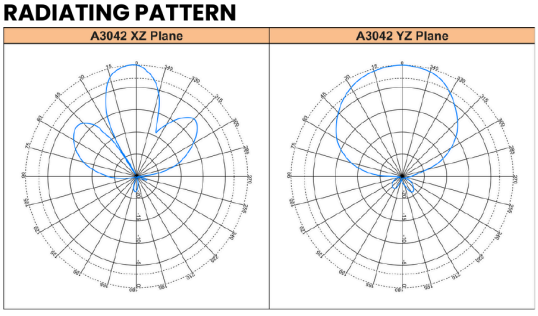
Typical VSWR is 1.4, axial ratio 2 dB and front-to-back ratio 25 dB, so energy goes to the coverage area and interference from behind is suppressed. Left- and right-hand circularly polarised versions allow multi-reader portals without nulls in the read zone; cut-outs on the radome show the handedness.

A white, flame-retardant, solar-resistant ABS formed radome with enhanced edge protection sits on an integrated riveted metal backplate, rated IP54 for indoor and outdoor use. Four M6 studs on a 100 x 100 mm VESA pattern take standard brackets; M6 nuts and washers are supplied, maximum torque 5 Nm per fastener. The rear RP-TNC jack reduces cable strain, and the antenna can be rotated 180° to place the connector.

Common Applications

- Industrial Portals
- Vehicle Tolling
- Vehicle Access Control
- Laundry Portals
- Laundry Conveyors
- Packing And Folding Stations

RADIATING PATTERN



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UHF RFID | RAIN - Far-Field Panel Antenna

TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Circular, left- or right-hand
Far-Field Gain	10.5 dBiC typical
3 dB Beamwidth	25° (XZ), 60° (YZ)
VSWR	1.4 typical
Axial Ratio	2 dB typical
Front-to-Back Ratio	25 dB
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

RHCP, ETSI	75453
RHCP, FCC	75305
LHCP, ETSI	75454
LHCP, FCC	75452

Mechanical

Dimensions	604 x 304 x 11 mm (panel) 27.5 mm deep incl. studs
Weight	2.38 kg net, 2.69 kg gross
Boxed Dimensions	650 x 360 x 30 mm
Radome	White flame-retardant ABS, formed
Backplate	Integrated, riveted metal
Connector	RP-TNC straight jack, rear
Mounting	4 x M6 studs, 100 x 100 mm VESA
Mounting Torque	Max. 5 Nm per fastener
Fasteners	M6 nuts, flat and spring washers

Environmental

Protection Class	IP54
Operating Temperature	-20 to +55 °C
Storage Temperature	-30 to +60 °C