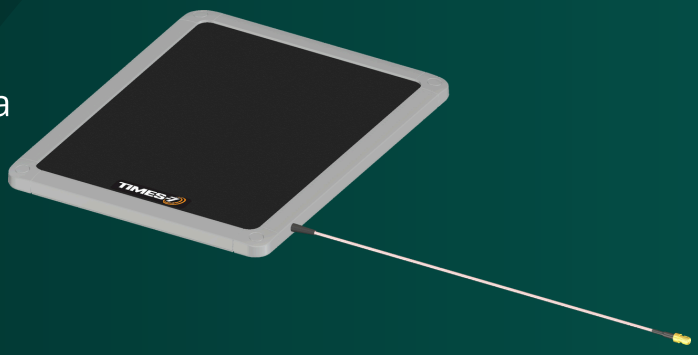
IDCRAFT
RFID & NFC EXPERTS

UHF RFID | RAIN - Far-Field Panel Antenna
Times-7 - A6031



- 4 dBiC typ. gain, wide 80° beam both planes
- Right-hand circular, AR 2 dB at boresight
- Read range up to 4 m
- Tablet-sized, 274 x 213 x 12.2 mm
- IP65, flush or VESA plate mount

UHF RFID | RAIN - Far-Field Panel Antenna
Tablet-sized 4 dBiC circular antenna, 80° beam, up to 4 m

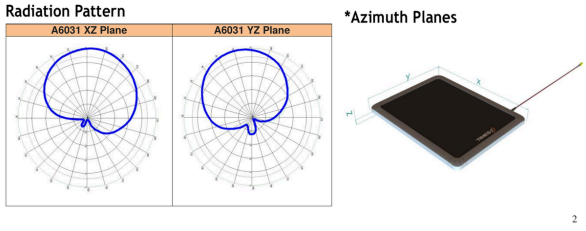
The Times-7 A6031 is an ultra-low-profile, circularly polarised flat panel RAIN RFID antenna from the Times-7 SlimLine range. A right-hand circularly polarised element delivers 4 dBiC typical gain with a wide 80° 3 dB beamwidth in both planes and a read range of up to 4 m. At 274 x 213 x 12.2 mm and 0.6 kg net it is similar in size and weight to a tablet PC and blends into office and retail environments.

Typical VSWR is 1.4, the axial ratio is 2 dB at boresight and the front-to-back ratio 18 dB. Versions cover 865–868 MHz (ETSI) or 902-928 MHz (FCC) and work with any UHF RFID reader with a 50 Ω antenna port at up to 3 W input power.

The fire-retardant ABS radome is rated IP65 and tested to IEC 68-2 for vibration, humidity, cold, heat and temperature shock (-40 to +70 °C). Operating range is -20 to +55 °C. The SMA female connector is on a 324 mm side fly lead. Integrated mounting holes allow direct fixing; the optional mounting plate (shared with the B6031) supports VESA brackets for rack mounting. Matching SMA to RP-TNC cables in 2, 4, 6 and 8 m are listed under Cable Accessories.

Common Applications

- Retail Inventory
- Office Asset Tracking
- Customer-Facing Counters
- Space-Constrained Areas
- Point Of Sale
- Rack And Shelf Mounting



IDCRAFT
RFID & NFC EXPERTS

Times-7 - A6031

UHF RFID | RAIN - Far-Field Panel Antenna

TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Polarisation	Right-hand circular
Far-Field Gain	4 dBiC typical
3 dB Beamwidth	80° in both planes
VSWR	1.4 typical
Axial Ratio	2 dB at boresight
Front-to-Back Ratio	18 dB
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

A6031, ETSI	70804
A6031, FCC	70810
Mounting Plate (A6031/B6031)	71631

Cable Accessories (SMA to RP-TNC)

2 m, T7 195 / 240 / 400	71436 / 71782 / 72042
4 m, T7 240 / 400	71784 / 72043
6 m, T7 240 / 400	71904 / 72044
8 m, T7 240 / 400	71788 / 72045

Mechanical

Dimensions	274 x 213 x 12.2 mm
Weight	0.6 kg net
Radome	Fire-retardant ABS
Connector	SMA female, 324 mm side fly lead
Mounting	Integrated holes; VESA via mounting plate
Read Range	Up to 4 m

Environmental

Protection Class	IP65
Operating Temperature	-20 to +55 °C
Storage Temperature	-30 to +65 °C
Vibration	IEC 68-2-6, 10–150 Hz, 0.5 g
Humidity	IEC 68-2-30, min. 90% RH
Cold / Heat Test	IEC 68-2-1 / 68-2-2, -40 / +70 °C, 24 h
Temperature Shock	10 cycles -40 / +70 °C
Compliance	RoHS, CE