IDCRAFT

RFID & NFC EXPERTS

UHF RFID | RAIN - Near-Field Antenna

Times-7 - A1001



- Wideband 864–928 MHz, ETSI and FCC
- Near-field, peak field at the surface
- Short range cuts stray tag reads
- Compact 82 x 82 x 9.6 mm, 50 g
- Centred SMA connector, IP54

UHF RFID | RAIN - Near-Field Antenna
82 x 82 mm wideband near-field antenna, 864–928 MHz, 50 g

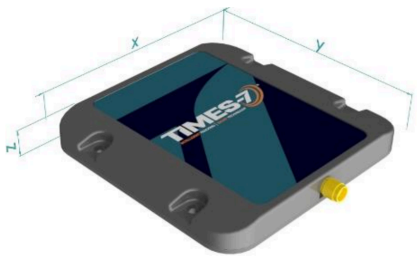
The Times-7 A1001 is a compact, wideband near-field RAIN RFID antenna for enclosed spaces and any installation where a small footprint is essential. A single part number covers 864–928 MHz and therefore both the ETSI and FCC bands. The moulded housing measures only 82 x 82 x 9.6 mm and weighs 0.05 kg net, small enough to build into terminals, readers, gates and counters.

Radiation intensity peaks right at the antenna surface, which enables tap-and-go operation and confines detection to tags placed on or near the antenna. The short range reduces stray tag reads and allows one tag to be read at a time. Typical VSWR is 1.4 across the band, and the A1001 works with any UHF RFID reader with a 50 Ω antenna port at up to 3 W input power. It is DC grounded for ESD protection and offers a 10 kΩ detection resistance.

The moulded ABS housing is rated IP54, with operation from 0 to +50 °C and storage from -30 to +60 °C. The SMA female connector is centred on the antenna, and mounting holes allow screw fixing (positions per the mechanical drawing). Matching SMA to RP-TNC cables in 2, 4, 6 and 8 m are listed under Cable Accessories. The A1001 is built in New Zealand and is RoHS and CE compliant.

Common Applications

- Access Control
- Secure Room Entry
- Retail POS Tap And Go
- Mass Transit Ticketing
- Single-Tag Reading
- Embedded Terminals



www.idcraft.com sales@idcraft.com +49.6236.4494.685

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TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	864–928 MHz (wideband)
Field Type	Near-field
VSWR	1.4 typical
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

A1001, ETSI / FCC wideband	71203

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	82 x 82 x 9.6 mm
Weight	0.05 kg net
Housing	Moulded ABS
Connector	SMA female, centred
Mounting	Mounting holes

Environmental

Protection Class	IP54
Operating Temperature	0 to +50 °C
Storage Temperature	-30 to +60 °C
Compliance	RoHS, CE