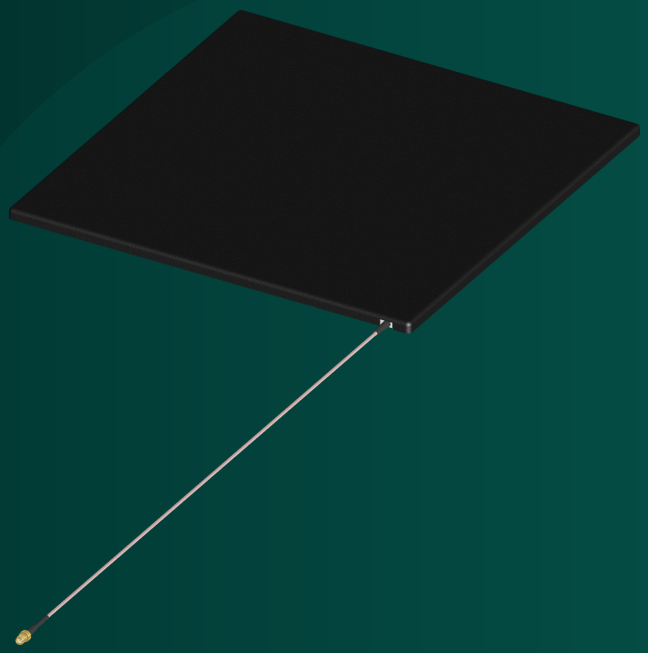
IDCRAFT

RFID & NFC EXPERTS

UHF RFID | RAIN - True NearField Antenna

Times-7 - A1130



- 300 x 300 mm confined near-field read zone
- Reliable reads on metal and liquid items
- 8.6 mm flat or 8.5 mm formed radome
- VSWR 1.95 typical, 3 W max. input power
- Black or white, ETSI and FCC versions

UHF RFID | RAIN - True NearField Antenna
300 x 300 mm True NearField antenna, 8.5–8.6 mm, IP54

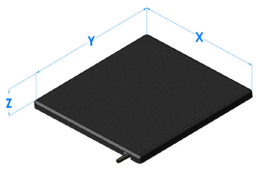
The Times-7 A1130 is the mid-size antenna of the True NearField series. It detects RAIN RFID tags precisely within a tightly confined zone above the 300 x 300 mm surface and eliminate surface dead spots. The flat-radome version is 300 x 300 x 8.6 mm and weighs 0.58 kg; the thermoformed version measures 304 x 304 x 8.5 mm.

Because the antenna reads only in the near field at its surface, metal-rich surroundings and liquids do not cause the gain loss and unpredictable read ranges seen with far-field antennas. On shelving, each shelf is read on its own without stray reads from neighbouring shelves or passing items. Typical VSWR is 1.95. ETSI and FCC versions work with any UHF RFID reader with a 50 Ω port; a 10 kΩ resistance enables antenna detection.

The flame-retardant ABS radome is rated IP54 for indoor use from 0 to +50 °C and comes flat or formed, each in black or white. An SMA female connector sits on a 482 mm RG316 fly lead and must only be finger-tightened. The antenna mounts with screws through the discreet rear holes or on an optional 4 mm or 6 mm mounting plate; self-adhesive rubber feet are included for surfaces that cannot be drilled.

Common Applications

- Smart Shelving
- Liquid-Filled Products
- Metal Items And Tools
- Point Of Sale Checkout
- Close-Proximity Reading
- Item-Level Inventory



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UHF RFID | RAIN - True NearField Antenna

TECHNICAL SPECIFICATIONS

Electrical

Frequency Range	865–868 MHz (ETSI) 902–928 MHz (FCC)
Field Type	Near-field
Read Area	300 x 300 mm
VSWR	1.95 typical
Impedance	50 Ω
ESD Protection	Yes, DC grounded
Antenna Detection	10 kΩ resistance
Max. Input Power	3 W

Ordering Information

Colour	Black / White
Flat, ETSI	72022 / 72025
Flat, FCC	72023 / 72026
Formed, ETSI	75244 / 75245
Formed, FCC	75246 / 75247
Mounting Plate 4 mm	71943
Mounting Plate 6 mm	71757

Mechanical

Dimensions (Flat)	300 x 300 x 8.6 mm
Dimensions (Formed)	304 x 304 x 8.5 mm
Weight (Flat)	0.58 kg net
Weight (Formed)	0.98 kg net
Radome	Flame-retardant ABS
Colours	Black or white
Connector	SMA female fly lead
Cable	RG316, 482 mm
Mounting	Rear holes or mounting plate
Rubber Feet	Included

Environmental

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