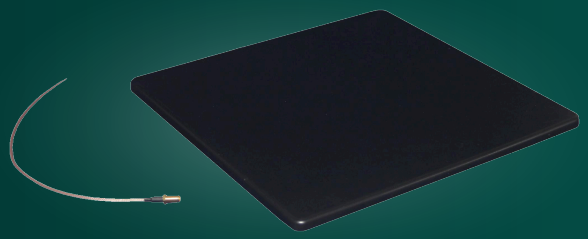
IDCRAFT
RFID & NFC EXPERTS

UHF | RAIN - Near-Field Antenna
CT - nearAx3030P



- UHF near-field antenna, 301 × 301 mm
- Ultra-flat 8.5 mm housing, 500 g
- 902–928 MHz, VSWR ≤ 1.8:1
- SMA female connector on pigtail
- IP53, 0 to +50 °C operating range

UHF | RAIN - Near-Field Antenna
Flat near-field antenna for counters and shelves

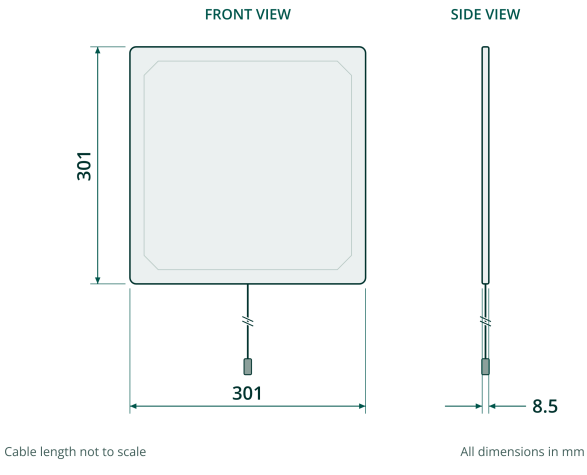
The CT nearAx3030P is a flat UHF | RAIN RFID near-field antenna. Its field stays close to the 301 × 301 mm surface and is designed to be uniform across it, so tags are read on the antenna rather than at a distance. At 8.5 mm height and 500 g it integrates easily into counters, displays and shelves.

The antenna covers 902–928 MHz with VSWR ≤ 1.8:1 and 50 ± 1 Ω impedance and works with any UHF | RAIN RFID reader (ISO/IEC 18000-63, EPC Gen2). Near-field operation suits item-level reading where neighbouring items must not be detected, for example at checkouts, in jewellery displays or on library desks.

The RF feed is a pigtail with an SMA female connector. The black aluminium and plastic housing is rated IP53 for indoor use; the operating temperature range is 0 to +50 °C, storage −30 to +60 °C.

Common Applications

- Retail Point of Sale
- Jewellery Displays
- Library Desks
- Healthcare
- Document Handling
- Smart Shelves



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UHF | RAIN - Near-Field Antenna

TECHNICAL SPECIFICATIONS

RF Characteristics

Antenna Type	Near-field antenna
Frequency Range	902–928 MHz
VSWR	≤ 1.8:1
Impedance	50 ± 1 Ω
Connector	SMA female, pigtail

Part No. / Model

nearAx3030P-US	902–928 MHz version

Physical Characteristics

Dimensions	301 × 301 × 8.5 mm
Weight	500 g
Housing	Aluminium, plastic
Colour	Black

Environmental

Protection Class	IP53
Operating Temperature	0 to +50 °C
Storage Temperature	−30 to +60 °C
Relative Humidity	5–95 %