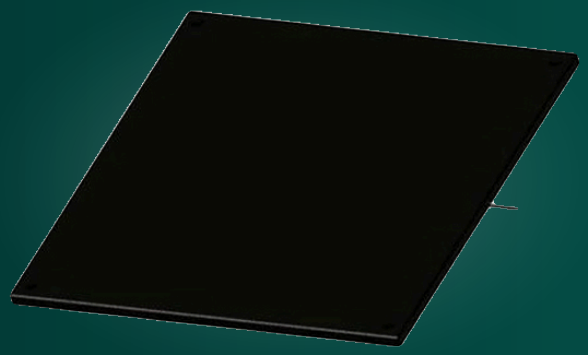
IDCRAFT
RFID & NFC EXPERTS

UHF | RAIN - Panel Antenna
CT - panAx6CP



- 6 dBic gain, circular polarization
- 65° half-power beamwidth in both planes
- EU (865–868 MHz) or US (902–928 MHz)
- Ultra-flat 301 × 301 × 8.5 mm housing
- SMA female connector on pigtail

UHF | RAIN - Panel Antenna
Ultra-flat panel for discreet far-field reading

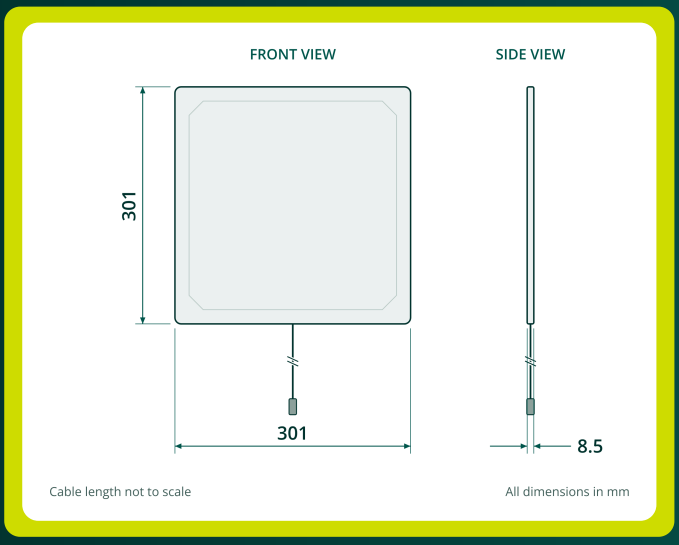
The CT panAx6CP is an ultra-flat, circularly polarized UHF | RAIN RFID far-field panel antenna. With 6 dBic gain and a 65° half-power beamwidth in both planes it reads at medium range, while the ultra-thin black housing of 301 × 301 × 8.5 mm is easy to integrate where space is limited.

Circular polarization keeps tag detection largely independent of how a tag is rotated in front of the antenna. Two band versions are available: 865–868 MHz for Europe and 902–928 MHz for North America, each with VSWR ≤ 1.3:1 and 50 ± 1 Ω impedance, for any UHF | RAIN RFID reader (ISO/IEC 18000-63, EPC Gen2).

The RF feed is a pigtail with an SMA female connector. The plastic, aluminium and FR4 construction is rated IP54 and operates from −20 to +55 °C; the antenna is not intended for acidic or alkaline atmospheres.

Common Applications

- Retail
- Conference & Event Access
- Personnel Tracking
- Sports Timing
- Baggage Handling
- Asset Management



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UHF | RAIN - Panel Antenna

TECHNICAL SPECIFICATIONS

RF Characteristics

Antenna Type	Far-field panel antenna
Frequency Range	865–868 MHz (EU) 902–928 MHz (US)
Gain	6 dBic
Polarization	Circular
Beamwidth H / E	65° / 65°
VSWR	≤ 1.3:1
Impedance	50 ± 1 Ω
Connector	SMA female, pigtail

Part No. / Model

panAx6CP-EU	865–868 MHz version
panAx6CP-US	902–928 MHz version

Physical Characteristics

Dimensions	301 × 301 × 8.5 mm
Material	Plastic, aluminium, FR4
Colour	Black

Environmental

Protection Class	IP54
Operating Temperature	−20 to +55 °C
Storage Temperature	−20 to +55 °C
Relative Humidity	5–95 %