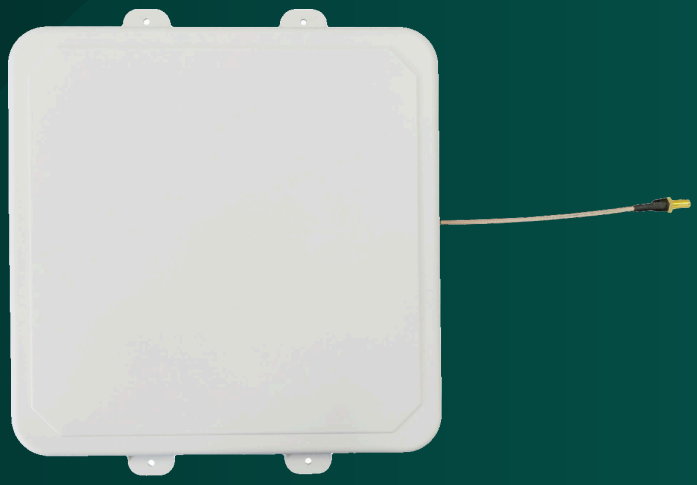
IDCRAFT
RFID & NFC EXPERTS

UHF | RAIN - Panel Antenna
CT - panAx8CP



- 8 dBic gain, circular polarization
- 75° × 75° beam, axial ratio < 3 dB
- Wideband 860–960 MHz for all regions
- SMA female connector on pigtail
- Light 0.4 kg, four mounting lugs

UHF | RAIN - Panel Antenna
Indoor 8 dBic panel with flexible mounting

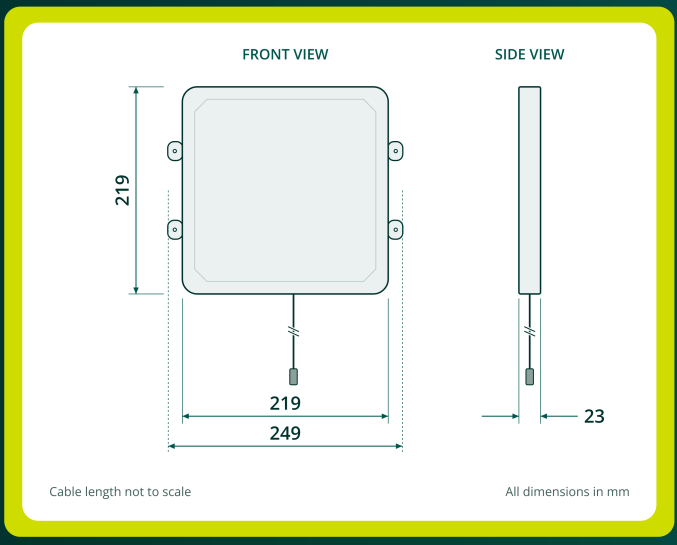
The CT panAx8CP is a circularly polarized UHF | RAIN RFID panel antenna for indoor installations. 8 dBic gain and a 75° × 75° beam cover read zones at medium to long range, for example in retail, at event entrances or in baggage handling. The housing measures 249 × 219 × 23 mm including mounting lugs and weighs 0.4 kg.

Circular polarization with an axial ratio below 3 dB keeps tag detection largely independent of tag rotation. The wideband design covers 860–960 MHz, so one version serves the EU, US and other regional UHF bands, with VSWR ≤ 1.3:1 and 50 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 white housing of fibre-reinforced plastic and aluminium operates from −40 to +85 °C; four lugs with Ø 3.5 mm holes fix it flat to walls, ceilings or furniture.

Common Applications

- Retail
- Conference & People Tracking
- Race Timing
- Baggage Handling
- Supply Chain
- Asset Management



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UHF | RAIN - Panel Antenna

TECHNICAL SPECIFICATIONS

RF Characteristics

Antenna Type	Far-field panel antenna
Frequency Range	860–960 MHz
Gain	8 dBic
Polarization	Circular
Beamwidth	75° × 75°
Axial Ratio	< 3 dB
VSWR	≤ 1.3:1
Impedance	50 Ω
Connector	SMA female, pigtail

Physical Characteristics

Dimensions	249 × 219 × 23 mm (incl. lugs)
Weight	0.4 kg
Housing	Fibre-reinforced plastic, aluminium
Colour	White
Mounting	4 lugs, Ø 3.5 mm holes

Environmental

Operating Temperature	−40 to +85 °C
Storage Temperature	−40 to +85 °C

Part No. / Model

panAx8CP-WB	860–960 MHz, all regions