IDCRAFT
RFID & NFC EXPERTS

UHF | RAIN - In-Ground Antenna
CT - gndAx13CS



- > 13 dBic gain, circular polarization
- Narrow 35° × 35° beam
- For buried installation, load > 300 kg
- Stainless steel housing, IP67
- 902–928 MHz, TNC connector

UHF | RAIN - In-Ground Antenna
Buried high-gain antenna for vehicle lanes

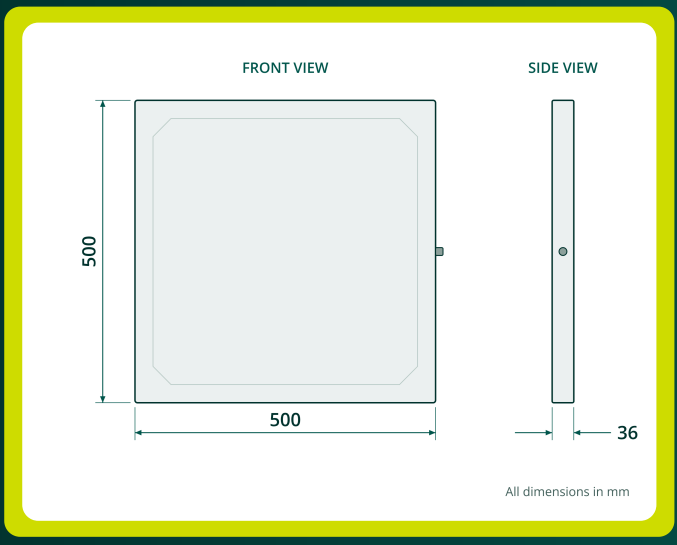
The CT gndAx13CS is a high-gain UHF | RAIN RFID antenna for installation in the ground. More than 13 dBic gain and a narrow 35° × 35° beam point the read zone upwards, for example at vehicles crossing a lane. The 500 × 500 × 36 mm unit weighs 8.5 kg.

Circular polarization keeps tag detection largely independent of tag orientation. The antenna covers 902–928 MHz with VSWR ≤ 1.3:1 and works with any UHF | RAIN RFID reader (ISO/IEC 18000-63, EPC Gen2).

The low-profile housing of stainless steel and aluminium is waterproof (IP67), rust-resistant and impact-proof and withstands a compressive load of more than 300 kg; the operating temperature range is −40 to +85 °C. The TNC connector sits on the side of the housing.

Common Applications

- Vehicle Access Control
- Parking Entrances
- Yard & Gate Management
- Fleet Management
- Asset Management
- Logistics Hubs



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

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TECHNICAL SPECIFICATIONS

RF Characteristics

Antenna Type	In-ground far-field antenna
Frequency Range	902–928 MHz
Gain	> 13 dBic
Polarization	Circular
Beamwidth	35° × 35°
VSWR	≤ 1.3:1
Connector	TNC, side

Part No. / Model

gndAx13CS-US	902–928 MHz version

Physical Characteristics

Dimensions	500 × 500 × 36 mm
Weight	8.5 kg
Material	Stainless steel, aluminium
Load Capacity	> 300 kg compressive

Environmental

Protection Class	IP67
Operating Temperature	−40 to +85 °C
Storage Temperature	−40 to +85 °C