

## CK-A6

## UHF RFID HIGH GAIN ANTENNA



The CK-A6 6dBi UHF RFID Antenna delivers exceptional read performance with its optimized circular polarization and <3dB axial ratio. Engineered for demanding industrial applications, its compact 130mm design achieves 105° horizontal beamwidth while maintaining IP65 protection. Ideal for automated warehouses, smart retail systems, and cross-docking facilities requiring reliable tag detection.

- Rugged ABS+Aluminum IP65 Design
- RFID technology 840~960MHz optional, support protocol extension
- Ultra-Low 1.3:1 VSWR for Stable Transmission
- With free DEMO, SDK, open API, to meet the customer's various environment function development

- Specification

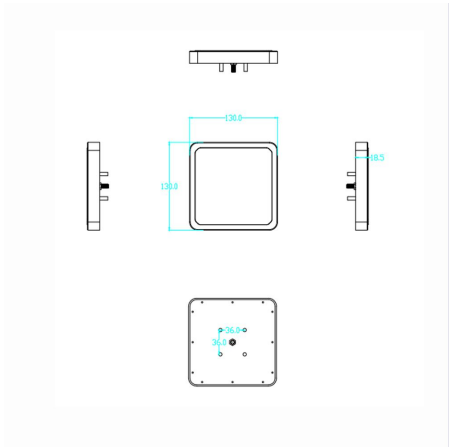
|                              |                                      |
|------------------------------|--------------------------------------|
| Model                        | CK-A6                                |
| <b>  RF SPECIFICATION</b>    |                                      |
| Identification Method        | UHF                                  |
| C                            | 840MHz ~ 960MHz                      |
| Protocol Support             | EPC C1G2, ISO 18000-6B, ISO 18000-6C |
| Antenna Gain                 | 0-33 dbm adjustable                  |
| Read Distance                | 0-5m adjustable                      |
| Polarization Type            | Circular                             |
| Peak Gain @915MHz            | 6dBi                                 |
| Axial Ratio                  | <3dB                                 |
| H-plane HPBW                 | 105°                                 |
| E-plane HPBW                 | 95°                                  |
| VSWR                         | ≤1.3:1                               |
| Impedance                    | 50Ω                                  |
| Connector Type               | SMA-KF                               |
| Size                         | 130*130*18mm                         |
| Weight                       | 200g                                 |
| <b>  BASIC SPECIFICATION</b> |                                      |
| Material                     | ABS+Aluminum 6061                    |
| Working Humidity             | 10%RH~90%RH                          |
| Operat Temperature           | -40°C~+85°C                          |
| IP Rating                    | IP65                                 |
|                              |                                      |
|                              |                                      |

- **Related Model**

- **Common Solution**

Smart Library, Archival Room, Tool Room, Supermarket, etc.

- **Dimension**



Unit : mm (inch)  
Weight. : about 200g

- **Accessory**

| No. | item          | units | quantity |
|-----|---------------|-------|----------|
| 1   | power supply  | pcs   | 1        |
| 2   | fixed bracket | pcs   | 1        |
|     |               |       |          |



# RFID IoT Application



Need Advice



Subscribee

Follow us: Cykeo



Headquarters

Cykeo Information Technology CO., LTD.  
16th floor, Building B2, Yunzhi Science Park, Guangming District,  
Shenzhen 518107, China

Factory

Shenzhen, Dongguang, Hefei

Subsidiary

Hefei Jianshen InformationTechnology Co., LTD.  
Cykeo Information Technology(Shandong) Co., LTD.  
Cykeo Information Technology(Chengdu) Co., LTD.  
Cykeo Core Information Technology (Shanghai) Co., LTD.