

CK-A3

UHF RFID ANTENNA



The CK-A3 Ceramic UHF RFID Antenna delivers superior RF performance for industrial RFID systems. Engineered with advanced PCB material and circular polarization technology, it achieves $>3\text{dBi}$ gain with $\text{VSWR} \leq 1.3:1$ across full UHF spectrum. Ideal for integration into fixed readers, vehicle-mounted trackers, and smart shelf solutions requiring stable long-range detection.

- Rugged ABS+Aluminum IP65 Design
- IP65-Rated Industrial Durability
- Ultra-Low 1.3:1 VSWR for Stable Transmission
- 5m+ Long-Range Tag Detection

● Specification

Model	CK-A3
 RF SPECIFICATION	
Identification Method	UHF
C	840MHz ~ 960MHz
Protocol Support	EPC C1G2, ISO 18000-6B, ISO 18000-6C
Antenna Gain	0-33 dbm adjustable
Read Distance	0-8m adjustable
Polarization Type	Circular
Peak Gain @915MHz	3dBi
Axial Ratio	<0dB
H-plane HPBW	70°±2°
E-plane HPBW	70°±2°
VSWR	≤1.3:1
Impedance	50Ω
Connector Type	SMA-KF
Size	67*50*15mm
Weight	230g
 BASIC SPECIFICATION	
Material	ABS+Aluminum
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.

- **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.