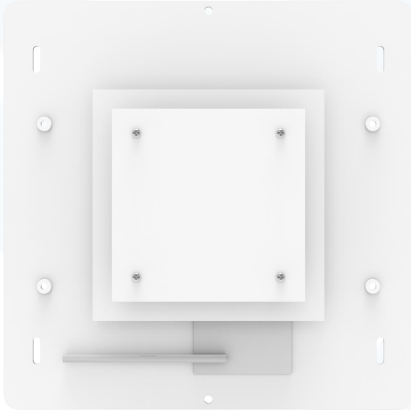


CK-B5A

UHF RFID HIGH GAIN ANTENNA



The CK-B5A UHF RFID Antenna delivers 5dBi gain with circular polarization technology, engineered for stable signal transmission in automated warehouses and smart cabinets. Featuring aerospace-grade aluminum construction and optimized 70° beamwidth, it enables precise tag detection within 8m range while resisting multipath interference. Compatible with Zebra/Impinj/Feig readers.

- 70° HPBW Precision Beamwidth
- RFID technology 840~960MHz optional, support protocol extension
- -40°C~55°C Extreme Temperature Tolerance
- <1.3:1 VSWR Across 840-960MHz Bandwidth

● Specification

Model	CK-B5A
 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	0-15m adjustable
Polarization Type	Circular
Peak Gain @915MHz	5dBi
Axial Ratio	3dB
H-plane HPBW	70
E-plane HPBW	70
VSWR	≤1.2:1
Impedance	50Ω
Connector Type	SMA-K
Size	190mm*190mm*21mm
Weight	850g
 BASIC SPECIFICATION	
Material	ABS+Aluminum
Working Humidity	10%RH~90%RH
Operat Temperature	-40 ~ 55 °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.