

CK-A12

12dBi RFID Circular Polarized Antenna



The A-12 UHF RFID Antenna delivers 12dBi high-gain performance across 840-960MHz frequencies, engineered for industrial-scale RFID deployments. Featuring <3dB axial ratio circular polarization and 40° beamwidth, it ensures stable tag reading in dynamic environments.

- 15m+ Adjustable Read Range
- RFID technology 840~960MHz optional, support protocol extension
- Dual-Polarization Switching Technology
- IP65 Ruggedized Aluminum Composite Design

● Specification

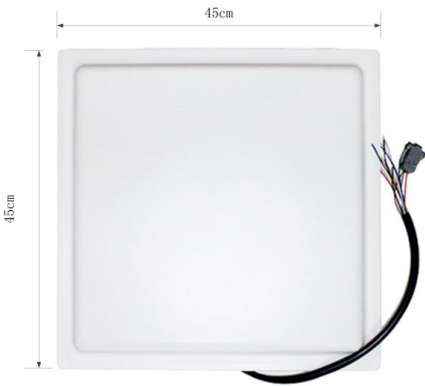
Model	CK-A12
 RF SPECIFICATION	
Identification Method	UHF
C	840MHz ~ 960MHz
Protocol Support	EPC C1G2, ISO 18000-6B, ISO 18000-6C
Antenna Gain	0-33 dbm adjustable
Read Distance	0-15m adjustable
Polarization Type	Circular
Peak Gain @915MHz	12dBi
Axial Ratio	<3dB
H-plane HPBW	40°±2°
E-plane HPBW	40°±2°
VSWR	≤1.3:1
Impedance	50Ω
Connector Type	N-Type Female
Size	445mm×445mm×30mm
Weight	1.95Kg
 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.

- **Dimension**



Unit : mm (inch)
Weight. : about
1.95kg

- **Accessory**

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



RFID IoT Application



Need Advice



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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.