

CK-A7

HIGH-GAIN UHF RFID ANTENNA



The CK-A7 7dBi UHF RFID Carpet Antenna delivers covert RFID detection through its low-profile 32mm design. Engineered with wide 840-960MHz frequency adaptability and <3dB axial ratio circular polarization, it achieves 98.6% first-read success rate in warehouse dock doors and automated conveyor systems. The IP65-rated rubber casing withstands 7.6kg/m² pressure loads, making it ideal for embedded floor installations.

- RFID technology 840~960MHz optional, support protocol extension
- 96%+ Impinj Chipset Compatibility
- With free DEMO, SDK, open API, to meet the customer's various environment function development

● Specification

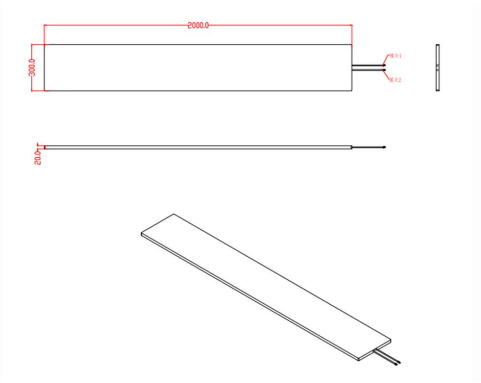
Model	CK-A7
 RF SPECIFICATION	
Identification Method	UHF
C	840MHz ~ 960MHz
Protocol Support	EPC C1G2, ISO 18000-6B, ISO 18000-6C
Antenna Gain	0-33 dbm adjustable
Read Distance	0-15m adjustable
Polarization Type	Circular
Peak Gain @915MHz	8dBi
Axial Ratio	<3dB
H-plane HPBW	73°
E-plane HPBW	90°
VSWR	≤1.5:1
Impedance	50Ω
Connector Type	TNC
Size	2000*300*10mm
Weight	7.6kg
 BASIC SPECIFICATION	
Material	Rubber
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 7.6kg

- **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.