

CK-B10

UHF RFID HIGH-GAIN ANTENNA



The CK-B10 UHF RFID Antenna delivers 10dBi high gain with <1.4 VSWR across 840-960MHz, engineered for warehouse automation and smart manufacturing. Its circular polarization ensures stable tag reads regardless of orientation, while the rugged ABS-aluminum composite construction withstands extreme temperatures (-20°C ~ 60°C) and outdoor conditions.

- 10dBi Gain & 75° Wide Coverage Pattern
- RFID technology 840~960MHz optional, support protocol extension
- -40°C ~ 55°C Extreme Temperature Tolerance
- DC Grounded Lightning Protection System
- Universal TNC Connector for Any RFID Reader

● Specification

Model	CK-B10
 RF SPECIFICATION	
Identification Method	UHF
Frequency range (MHz)	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	10dBi
Axial Ratio	3dBI
H-plane HPBW	75
E-plane HPBW	40
VSWR	≤1.4
Impedance	50Ω
Connector Type	TNC
Size	420*240*30MM
Weight	1.14KG

| BASIC SPECIFICATION

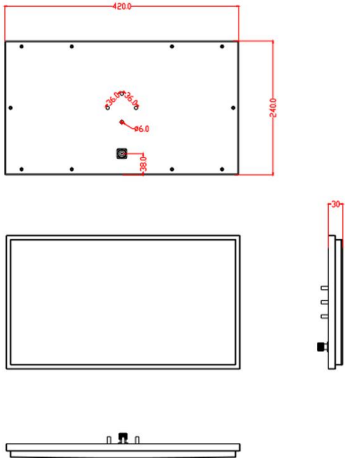
Material	ABS+Aluminum
Working Humidity	10%RH~90%RH
Operat Temperature	-40 ~ 55 °C
IP Rating	IP65

- **Related Model**

- **Common Solution**

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

- **Dimension**



Unit : mm (inch)
Weight. : about
1.14kg

- **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.