

CYKEO-B12

HIGH-GAIN UHF RFID ANTENNA



The CYKEO-B12 High-Gain UHF RFID Antenna delivers professional-grade performance for automated identification systems. Featuring optimized 840-960MHz frequency response and $<3\text{dB}$ axial ratio, it ensures stable tag reading in dynamic environments.

- Operates across global UHF spectrums (840-960MHz)
- 70° H-plane beamwidth for area scanning
- $-40^\circ\text{C} \sim 55^\circ\text{C}$ Extreme Temperature Tolerance
- Compatible with EPC Gen2/ISO 18000-6C
- Universal TNC Connector for Any RFID Reader

● Specification

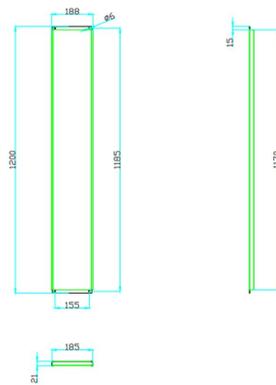
Model	CYKEO-B12
 RF SPECIFICATION	
Identification Method	UHF
Frequency range (MHz)	840MHz~960MHz
Protocol Support	EPC C1G2, ISO 18000-6B, ISO 18000-6C
Antenna Gain	0-33 dbm adjustable
Read Distance	0-15m adjustable
Polarization Type	Circular
Peak Gain @915MHz	12dBi
Axial Ratio	3dBI
H-plane HPBW	70
E-plane HPBW	20
VSWR	≤1.5
Impedance	50 Ω
Connector Type	SMA
Size	1200*188*21mm
Weight	3.5KG
 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 3.5kg

- Accessory

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



RFID IoT Application



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