

CYKEO-A11

UHF RFID SHELF ANTENNA



The CYKEO-A11 UHF RFID Shelf Antenna is engineered for high-performance RFID applications in smart inventory systems. Featuring circular polarization and >11dBi gain, it ensures stable signal transmission with minimal interference. Its robust ABS+aluminum construction withstands extreme temperatures (-40°C to $+85^{\circ}\text{C}$), while the IP65 rating guarantees durability in industrial environments.

- 11dBi High Gain with Ultra-Low VSWR
- Rugged IP65 Design for Harsh Environments
- Wide 840-960MHz Frequency Compatibility
- Near-Field/Far-Field Hybrid Operation (0-3m)
- Easy Installation with Universal Mounting

● Specification

Model	CYKEO-A11
 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	11dBi
Axial Ratio	≥ 3 dB
H-plane HPBW	85
E-plane HPBW	70
VSWR	$\leq 1.3:1$
Impedance	50 Ω
Connector Type	N-Type Female
Size	340×198×15mm
Weight	850g
 BASIC SPECIFICATION	
Material	ABS+Aluminum 6061
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



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Headquarters

Cykeo Information Technology CO., LTD.

16th floor, Building B2, Yunshi Science Park, Guangming District,
Shenzhen 518107, China

Factory

Shenzhen, Dongguan, 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.