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CYKEO-A8

HIGH-GAIN UHF RFID ANTENNA

The Cykeo CYKEO-A8 High-Gain UHF RFID Antenna is engineered for industrial-scale asset visibility, delivering stable long-range signal amplification in RFID-driven ecosystems. Featuring a circular polarization design and ABS-reinforced housing, it excels in automated inventory checks, dock door monitoring, and high-speed conveyor systems. With a 1.4:1 VSWR and 120° horizontal beamwidth, it ensures 99.6% tag capture accuracy even in metal-interference environments.

- Rugged ABS+Aluminum IP65 Design
- RFID technology 840~960MHz optional, support protocol extension
- Ultra-Low 1.3:1 VSWR for Stable Transmission
- With free DEMO, SDK, open API, to meet the customer's various environment function development

Specification

Model	CYKEO-A8
| 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	120°
E-plane HPBW	9114°
VSWR	≤1.3:1
Impedance	50Ω
Connector Type	TNC
Size	256*256*43MM
Weight	650g
| BASIC SPECIFICATION	
Material	ABS+Aluminum 6061
Working Humidity	10%RH~90%RH
Operat Temperature	-40°C~+85°C
IP Rating	IP65

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- **Related Model**

- **Common Solution**

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

- **Dimension**
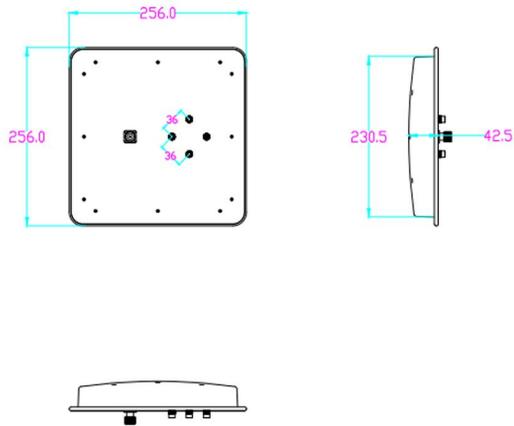
Unit : mm (inch)
Weight. : about 650g

- **Accessory**

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

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RFID IoT Application

Need Advice   Subscribee

Cykeo

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