

CK-A12C

UHF RFID LONG-RANGE ANTENNA



The CK-A12C UHF RFID Antenna delivers exceptional 12dBi gain performance across 840-960MHz spectrum, engineered for mission-critical RFID deployments. Featuring <3dB axial ratio circular polarization and 60° horizontal beamwidth, it ensures reliable tag reads in dynamic environments from automated warehouse conveyors to high-speed toll collection systems.

- Operates across global UHF spectrums (840-960MHz)
- 70° H-plane beamwidth for area scanning
- -40°C~55°C Extreme Temperature Tolerance
- Compatible with EPC Gen2/ISO 18000-6C
- Compatible with global UHF RFID protocols (EPC Gen2/ISO 18000-63)

● Specification

Model	CK-A12C
 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	60°
E-plane HPBW	35°
VSWR	≤1.3.1
Impedance	50Ω
Connector Type	TNC
Size	445*445*55mm
Weight	1.46KG

| BASIC SPECIFICATION

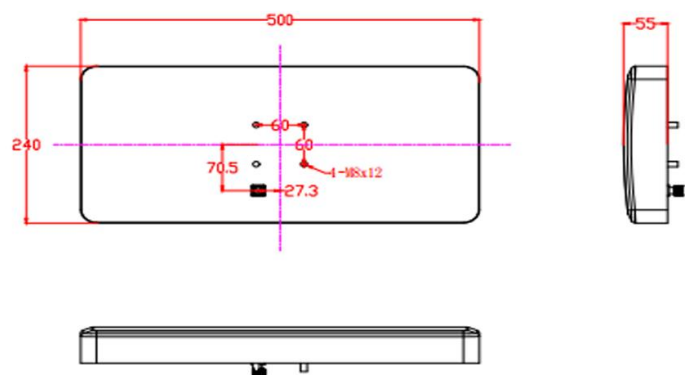
Material	ABS+Aluminum
Working Humidity	10%RH~90%RH
Operat Temperature	-40 ~ 55 °C
IP Rating	IP65

- **Related Model**

- **Common Solution**

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

- **Dimension**



Unit : mm (inch)
Weight. : about
1.46kg

- **Accessory**

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



RFID IoT Application



Need Advice



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