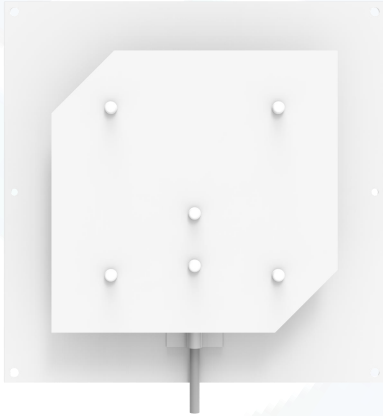


CK-A8

UHF RFID 8dBi Antenna



The CK-A8 UHF RFID Antenna delivers precision performance for industrial RFID deployments. Engineered with circular polarization and a high 8dBi gain, it ensures reliable tag detection across dynamic environments. Its robust ABS-aluminum construction withstands extreme temperatures (-40°C to $+85^{\circ}\text{C}$) while maintaining $<3\text{dB}$ axial ratio for minimized signal loss. Ideal for automated tool management, warehouse inventory, and smart manufacturing systems requiring stable UHF coverage.

- IP65 Rugged ABS-Aluminum Hybrid Housing
- RFID technology 840~960MHz optional, support protocol extension
- Adjustable 0-3m Read Range with 70° Beamwidth
- Ultra-Low 1.3:1 VSWR for Stable Transmission
- IP65 Ruggedized ABS-Aluminum Hybrid Design
- Cross-Platform Compatibility with Zebra/Impinj/Alien Readers

● Specification

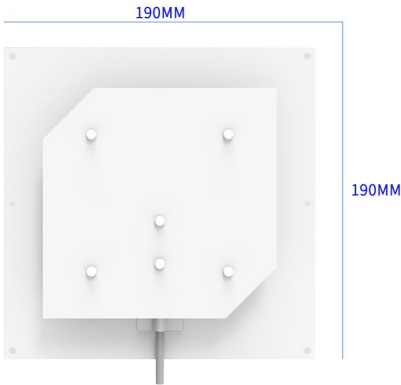
Model	CK-A8
RF SPECIFICATION	
Identification Method	UHF
c	840MHz~960MHz
Protocol Support	EPC C1G2, ISO 18000-6B, ISO 18000-6C
Antenna Gain	0-33 dbm adjustable
Polarization Type	Circular
Peak Gain @915MHz	8dBi
Axial Ratio	<3dB
H-plane HPBW	70° ±2°
E-plane HPBW	70° ±2°
VSWR	≤1.3:1
Impedance	50 Ω
Connector Type	TNC
Size	190mm*190mm*21mm
Weight	850g
BASIC SPECIFICATION	
Material	ABS+Aluminum
Working Humidity	10%RH~90%RH
Operat Temperature	-40° C~+85° C
IP Rating	IP65

- Related Model

- Common Solution

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

- Dimension



Unit : mm (inch)
Weight. : about 850g

- Accessory

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



RFID IoT
Application



Need Advice



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