



AZ-HR8

Arizon RFID Technology, is a leading company to provide first-class manufacturing services of inlays / tags / tickets and cards for worldwide RFID industry. All products conform to highest quality standards in HF and UHF technology for its valuable customers.

Overview

Operating Frequency

860MHz-960MHz

Integrated Circuit(IC)

Impinj M800 series

Antenna Size

70x14mm

Protocol

EPC Class1 Gen2

ISO/IEC 18000-63

Application Areas

Brand Protection

Supply Chain Management

Apparel

Electrical Characteristics

Antenna

AZ-HR8

Substrate Material

PET

IC

Impinj Monza

M830

M850

Memory

EPC:

128/96Bits (Default128bits)

96/128Bits(Default96bits)

User:

0/32Bits

32/0Bits

TID:

48Bits

48Bits

Unique TID:

48Bits

48Bits

Access Password:

Shared 32bits Password for
Access/Kill

Shared 32bits Password for
Access/Kill

Kill Password:

IC Life

10,000 Programming cycles

10 years data retention

Operating Mode

Passive

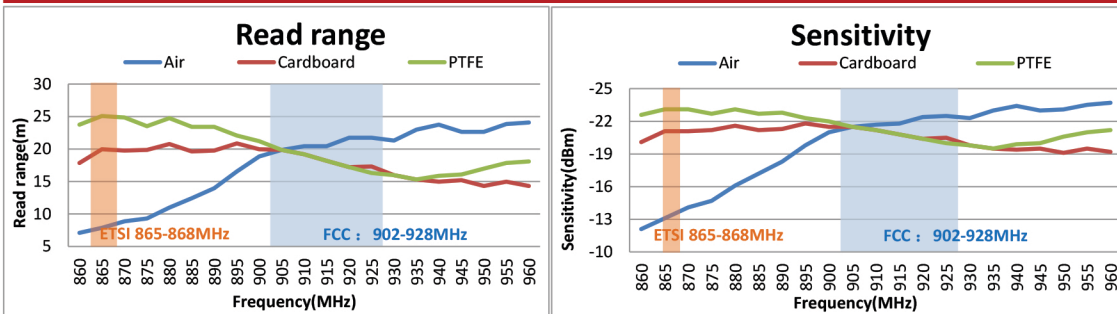
Operating temperature

- 40°C to 85°C

Standards



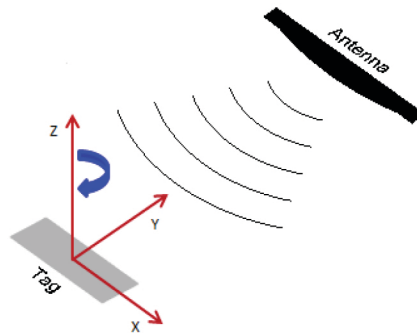
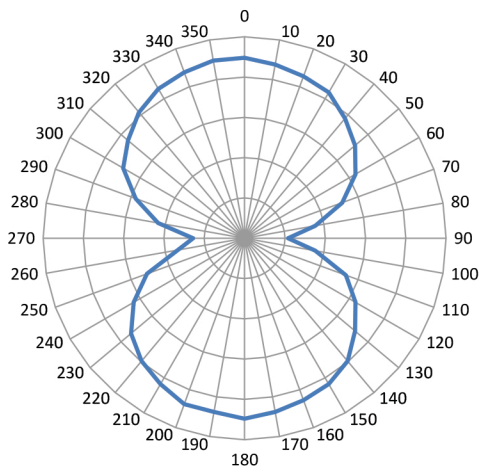
Frequency Sweep



All the graphs are based on our lab testing : performance in real life applications may vary.
Test power : 4W EIRP. For countries that allow 2W ERP, please reduce the result by 11%.

Radiation Patterns

Orientation Sensitivity



Inlay is rotated in the x,y axis, fixed in z axis
(Tag shown at 0° with respect to face of antenna)

ARC approved inlay spec

F/G	H	I	L	Q	O	P	R	T	U	S
●		●	●	●	●		●			
Z	W5	W6	Y2	C2						
	●	●	●							

● :Pass

Auburn University Testing Center:

RFID UHF Band: 800-1000MHz; Shielding effectiveness: > 100 dB; Background noise: < -75 dB

Compatible to the following international standard:

EPC Global Class1 Gen2; ISO 18000-63; GS1 TIPP (Tagged Item Performance Protocol)



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