

UHF RFID CONTROL UNIT (RS232/TCPIP)



Model: RF-900CU

Specification:

Frequency	902~928MHZ – User adjustable
Carrier	Frequency Hopping Spread Spectrum
Max RF Power Output Hardware memory size	32dBm SRAM 256Kb, Flash 256Kb
Power Control	27~32dBm, 1dBm per step
Protocol	ISO-18000-6C, EM4222, EM4444
Antennas	2 or 4 ports (TNC/SMA)
Power Supply	5VDC, 4A
Power Consumption	<12Watts
Communication Interface & I/O port	RS232/RS485;1 Wiegand26/34, 10/100 Base-T, or TCP/IP FIN 1 & 2, Rely 1 & 2
Indicators (LED)	Power, RF, Communication
Operating Temperature	-10°C ~+55°C
Storage Temperature	-20°C ~+80°C
Tag Read Rate	>20 tags per second
Read Range	>8m tag and antenna dependent

UHF RFID ANTENNA



RFA-900A (Linear polarization)

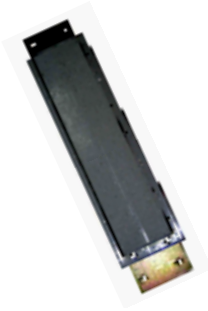
902~928 MHz

12 dBi

610(L)*310(W)*70(H) mm

5.2 KG

Read distance up to 7M



RFA-900B (Linear polarization)

902~928 MHz

10 dBi

700(L)*150(W)*90(H) mm

4.5 KG

Read distance up to 5M



RFA-900C (Linear polarization)

902~928 MHz

7.5 dBi

180 (L)*250(W)*44 (H) mm

2.0 KG

Read distance up to 3M



RFA-900D (Circular polarization)

902~928 MHz

9 dBi

300 (L)*270 (W)*80 (H) mm

2 KG

Read distance up to 5M

UHF RFID DESKTOP READER



Model: RF-900DR

Specifications:

Physical Characteristics	Dimensions	29cm (W) 23cm (L) x 6cm (H)
	Weight	400g
Environment	Operating Temp	-10°C to 55°C (14°F to 131°F)
	Storage Temp	-20°C to 80°C (-4°F to 176°F)
	Humidity	10% to 95%
	Non-condensing	
	Enclosure	
Antenna Connection	1 MMCX/SMA (Female/Inbuilt Antenna) – User define	
Power	External 12 VDC	
Frequency Ranges	902 or 928 MHz band (We can do as per your requirements)	
RF power control	20-30dBm	
Tag Air Interfaces	EPC Class 1 Gen 2, EM4222, EM4444	
Communication Interface	RS232 / RS584 / USB	
Read Distance	10cm	

UHF RFID MOBILE DATA COLLECTOR



Model: RF-900MDC

Specifications:

Physical Characteristics	Dimensions	260(L) 120(W) 60(H) mm
	Weight	610g (with battery and PDA)
Environment	Operating Temp	-20°C to 55°C (-4°F to 131°F)
	Storage Temp	-40°C to 80°C (-40°F to 176°F)
	Humidity	10% to 95%
Antenna Connection	1 MMCX (Female/Inbuilt Antenna)	
Power	Battery Operated	
Frequency Ranges	902 to 928 MHz band (or customer's requirement)	
RF power control	20-30dBm	
Tag Air Interfaces	EPC Class 1 Gen 2	
Communication Interface	Bluetooth™	
Read Range	2M tag dependent	

UHF RFID Security Tag



RFID Label Construction

Facestock	High Gloss Paper (with up to 1 color printing) for converted version
Adhesive	Permanent emulsion acrylic
Liner	White glassine
RFID Inlay	Rafsex Dogbone (EPC Class1 Gen2) 96/240bit + 512bit
Dimensions	107mm x 37mm