

UM – R2000 – 4

UHF GEN2

UHF READER MODULE – 4 PORTS



APPLICATIONS

- OEM & ODM
- Sorting Machine
- Conveyor Bely System
- And more...

FEATURES

- Support ISO18000-6C EPC Gen2
- Support stand-alone mode
- UART interface
- Read distance up to 20m
- RF power control up to 30dBm
- Small form factor
- Impinj R2000 chip (UM - R2000 - 1)
- 4 antenna ports



Pin	Function
1	VCC 5V
2	VCC 5V
3	GND
4	GND
5	EN
6	GPIO1
7	GPIO2
8	GPIO3
9	UART_RXD (TTL)
10	UART_TXD (TTL)
11	USB D+
12	USB D-

↑
Pin 1

MODEL	UM – R2000 – 4	
Physical Characteristics	Dimensions	57 (L)* 36 (W)* 3.0 (H) mm
	Weight	25g
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 Connector	1 MMCX 50ohm	
Power	3.7V - 5V	
Frequency Ranges	902 or 928 MHz band, 865MHz - 868MHz(Optional)	
RF power control	0 - 25dBm (UM - R500) / 0 - 30dBm (UM - R2000 - 1)	
Tag Air Interfaces	EPC Class 1 Gen 2	
Communication Interface	TTL UART	
Baud rate	115200 bps (default)	
Reader Range	>5cm - 20m tag and antenna dependent	

Software Development Kit:

The **SDK** is a software development kit works with all UHF product series. It includes API, Host Demo, and user manual. It's developed by C builder development tool on Windows Operating System, compatible to VC, VB/VB.NET, C#, .NET etc.

Also, comes with Android source code for mobile development apps for models UH – 200 / 800 (handheld), UH – 2000 (extra long range handheld) and UF – 001 and UF - 004 (forklift) readers.

Features:

- ✓ SDK is available with some special benefits for customer' s development
- ✓ Stronger and powerful informative API to save your time and cost for development
- ✓ Examples of demo programs all developer to cut short development time and effort

For more information:



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