

# AUTOID UF3

## UHF 4 Ports Fixed RFID Reader

The SEUIC UF3 is a 4 Ports UHF reader with an Impinj R2000 engine built into it. It supports RS232, TCP/IP, and a wide range of antenna specifications. It provides high reading rates and fast tag reading through proprietary and efficient signal processing algorithms. Therefore, it can be widely used in logistics, asset management, innovative stores, smart cities, etc.



## Product Features



### Field Industrial Grade Protection

An ultra-rugged aluminum alloy CNC offers industrial lightning protection and is anti-magnetic. Continual monitoring of the system in real-time, 24 hours a day, 365 days a year.

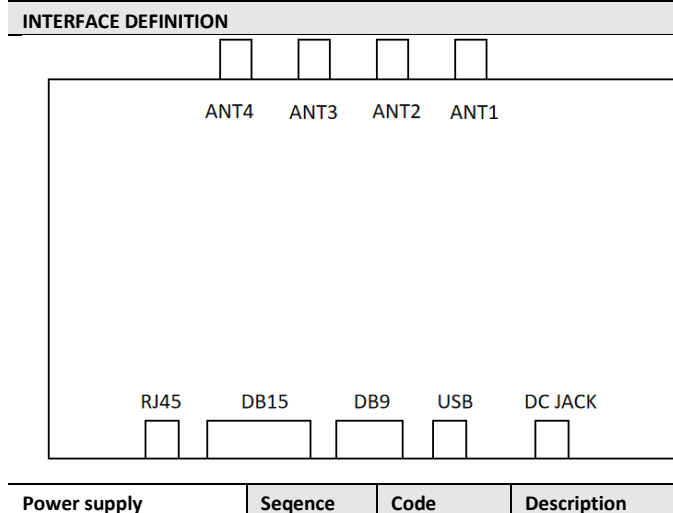


### High-performance Multi-label Algorithm

Multi-tag reading speed is 700 PCS/s. The device has been designed to handle fast-reading situations in logistics like package sorting. The accuracy rate is 99.9% at 1.5 m/s speed and 30 cm spacing.

## Specifications

PERFORMANCE CHARACTERISTICS	
Code Support	EPC C1 GEN2/ISO18000-6C/6B
Working frequency	860Mhz~960Mhz (varies from different countries and regions)
Read speed	>700pcs tag/seconds
Output Power	5dBm to 30dBm adjustable, +/-1.0dBm
Communication Protocol	RS232, TCP/IP
Input and Output	2 GPIO input and 2 GPIO output (isolated by optical coupler)
Status Indication	indicator, RFID status indicator, Buzzer.
Power Supply	9-12VDC
Power Consumption	Maximum 1.2A
Temperature	Working temperature: -20℃ to +60℃ Storage temperature: -25℃ to +80℃
Sealing Grade	IP54
Antenna interface	TNC*4
Dimension	230(L)×156(W)×30(T)mm



	Central	PWR	DC 9V-12V Power supply
	Outer	GND	Ground
USB Interface	standard USB interface		
Communication Serial ports RS232 (DB9 Female)	Sequence	Code	Description
	1	NC	Reserved
	2	TXD	data output (RS232)
	3	RXD	data input (RS232)
	4	NC	Reserved
	5	GND	Ground
	6	NC	Reserved
	7	NC	Reserved
	8	NC	Reserved
General ports for input and output GPIO (DB15 Female)	Sequence	Code	Description
	1	NC	Reserved
	2	NC	Reserved
	3	Input1 -	GPIO input 1-
	4	Input2 -	GPIO input 2-
	5	Output1	GPIO output 1
	6	Output1	GPIO output 1
	7	Output2	GPIO output 2
	8	Output2	GPIO output 2
	9	Input1 +	GPIO input 1+
	10	Input2 +	GPIO input 2+
	11	NC	Reserved
	12	GND	Ground
	13	NC	Reserved
	14	NC	Reserved
	15	NC	Reserved
TCP/IP internet port	RJ45		
TNC antenna interface(Female)	ANT1~ANT4		