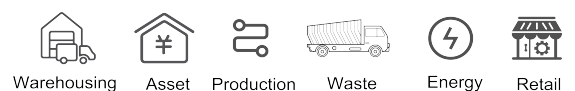


## JT-M6100



### UHF RFID 1-port Module

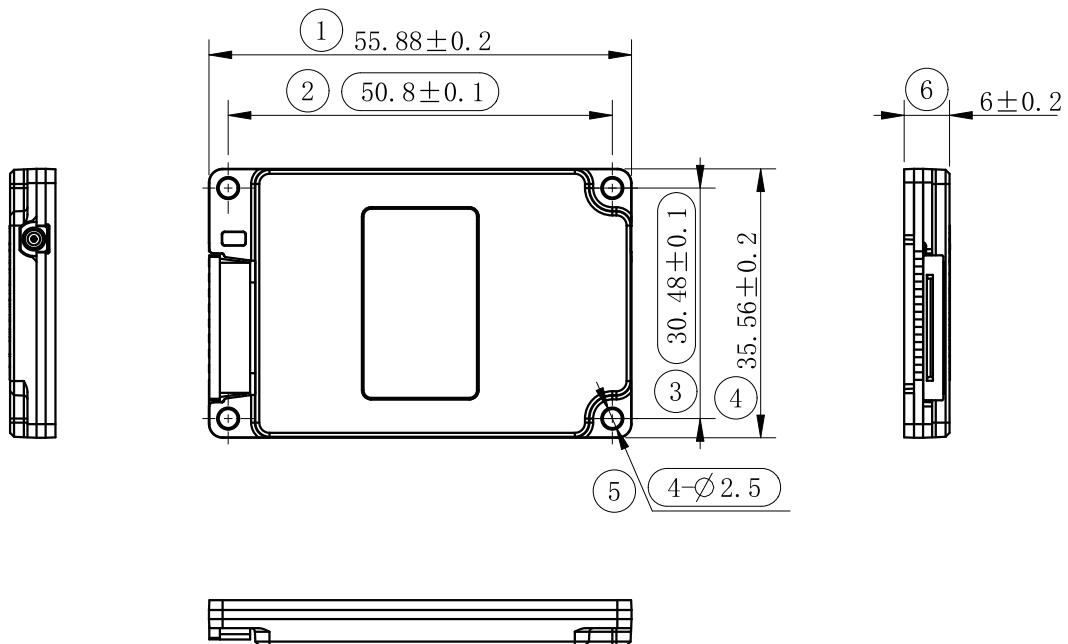
- Based on the new generation Impinj E710 reader chip
- Supports EPC global UHF Class 1 Gen 2 (ISO 18000-6C)
- 33dBm RF output
- High-performance anti-collision recognition algorithm.
- Low power consumption and small size, suitable for all-in-one equipment, personnel management or handheld computers, clothing asset inventory.

# SPECIFICATIONS

<b>RFID PARAMETERS</b>	
Frequency	860-960MHz
Protocol	ISO 18000-6C/EPC C1 G2
RF power	5~33dBm(adjustable)
Sensitivity	-87dBm@10%BER
Read rate	>1000 tags/s
RSSI/Temp. detect	Support
Antenna interface	1 MMCX connector
Reading range	>5m (using 2.5dBi ceramic antenna)
Communication	UART serial port;Baud rate 9600~921600bps@default 115200bps
GPIO	2 inputs and 2 outputs (3.3V TTL)
Connector	12pin connector Uart3.3V (TTL)
Power supply	DC 3.6-5.25V
Power consumption	6.75W (peak), 1.35A@5V, 33dBm;Standby 0.75W
<b>USE ENVIRONMENT</b>	
Operating Temp.	-20° C ~75° C
Storage Temp.	-30° C ~80° C
Humidity	5-90% non-condensing (+25° C )
Heat dissipation method	External heat sink air cooling
<b>PHYSICAL PARAMETERS</b>	
Shell material	Aluminum alloy
RF connector material	Gold-plated brass
PCB material	FR4 gold plated
Dimensions	55.88(L) x 35.56(W)x 6(H)mm
Net weight	21g
<b>API</b>	<b>C, C#/.NET, Java</b>

# I/O DEFINITION

NO.	DEFINITION
1	VCC (+3.6~5.25V)
2	VCC (+3.6~5.25V)
3	GND
4	GND
5	LOW (POWER DOWN) HIGH & DISCONNECT(ACTIVE)
6	Digital Output 2 (GPIO OUT2)
7	Digital input 1 (GPIO IN1)
8	Digital input 2 (GPIO IN2)
9	RXD (DATA INPUT, TTL level)
10	TXD (DATA OUTPUT, TTL level)
11	RST (Low Active)
12	Digital Output 1 (GPIO OUT1)



**Shenzhen Jietong Technology Co.,Ltd**

Address : 4/F,7 Building,Lihe industry,NO.1055 Songbai Road,Nanshan District,Shenzhen, China

Email : marketing@jtspeedwork.com

Website : www.jtspeedwork.com; www.speedwork-rfid.com