



1. Brief Introduction

IOT 9100MW-05ET is a Read/Write module by using R2000 IC solution in UHF frequency,

This module is low in power consumption, small in size, which make it very suitable to integrated into any handheld device, and its good reading range also fits for solution on pos terminals

2. Key Features

- Compliance with ISO18000-6C/EPC Gen2 standard;
- Reading range up to 10 meter
- Multiple reading tags can be 190 tags per second
- RF power output can be 5dBm to 30dBm adjustable
- Available with 4 MMCX antenna connector
- Providing API documents and testing demo;

3. Typical Application

- Mobile data terminal
- Goods& logistic management
- Warehouse management
- Products anti-faking
- Personnel management
- Other wireless RFID application

4. Technical Parameter

Frequency	FCC: 902MHZ ~ 928MHZ SRRC-MII: 920MHZ ~ 925MHZ
Protocol	EPC GEN2/ISO 18000-6C
RFID IC	R2000
Reading rate	190 tags
Tag buffer	299 tags
Power consumption	Max value 7.5W working: 6.5W, Standby: 1.5W
Power supply	VCC +5V
RF output	5dBm ~ 30dBm (1W) adjustable (+/-1.0dBm accuracy)
Interface	UART serial port
Connector	15 pin MOLEX53261-1571 with power, communication and GPIO
Baudrate	115200bps default, 9600-115200bps adjustable
Reading range	> 7meter (with 8dBi antenna and depend on tag sensitivity and direction)
Antenna port	4 MMCX connector
Antenna requirement	VSWR < 1.5 : 1 @ 50Ω
Fixing method	Four M3 screws
Working temperature	-20℃ ~ +60℃
Storage temperature	-40℃ ~ +85℃
Dimension	69mmx43mmx8mm