



RGM6001T

UHF RFID Communication Module

Name: RGM6001T UHF RFID Communication Module

Model Number: RGM6001T

Size: 70x 65mm

General Description:

RGM6001T is a high performance UHF RFID Communication module. It supports fast tag read/write operation with high identification rate. It can be widely applied in many RFID application systems such as logistics, access control, anti-counterfeit and industrial production process control system.

Features:

1. Self-intellectual property;
 2. Support ISO18000-6C (EPC C1G2) protocol tag;
 3. 865~868MHz, 902~928MHz frequency band (frequency customization optional by Soft);
 4. FHSS or Fix Frequency transmission;
 5. RF output power up to 26dBm (adjustable);
 - 6.Can connect an UHF antenna.*(Different antennas,different reading distances);
 7. Support active mode, answer mode, trigger-activating and password work mode;
 8. Low power dissipation with single +12V DC power supply;
 9. Support RS232, USB ,RJ45(Optional) interface; 10. Support ModBus.
- * Effectivedistancedepends on antenna, tagand environment.

Product mode explanation:

Model	Interface
RGM6001T	Standard(RS232, USB)
RGM6001TT	Standard(RS232, USB)&RJ45
T: RJ45	

Characteristics:

Absolute Maximum Rating

ITEM	SYMBOL	VALUE	UNIT
Power Supply	VCC	24	V
Operating Temp.	TOPR	-20~+60	°C
Storage Temp.	TSTR	-40~+85	°C

Electrical and Mechanical Specification:

Under TA= 25°C, VCC=+12V unless specified

ITEM	SYMBOL	MIN	TYPE	MAX	UNIT
Power Supply	VCC	8	12	24	V
Current Dissipation	IC		400	600	mA
Frequency	FREQ	865		928	MHz

Product Technical Parameters

Type	
Model Number	RGM6001T
Type	UHF RFID Communication Module
Physical parameters	
Dimensions	70x65mm
Net Weight	0.01Kg
Gross Weight	0.02Kg
Environmental parameters	
Operation Temperature	-20~+60°C
Storage Temperature	-40~+85°C
Frequency	
Ant.	902~928MHz,860~868MHz(frequency customization optional)
RF Power	Can connect MMCX UHF antenna
	0 - 26dBm
Read Distance *	0-6m * Effective distance depends on antenna, tag and environment.
Write Distance *	0-2m * Effective distance depends on antenna, tag and environment.
Read Rate	400cnt / second
Read Type	ISO18000-6C (EPC Gen2)
Reading Prompt	Buzzer
Working Voltage	DC +9 - 24V, 6W
Work Mode	Active mode, Answer mode, Trigger mode, Password mode
Communication	RS232,USB,RJ45(Optional)
Net	RJ45 support TCP Client/Server, Modbus, DNS, DHCP. HTTP Protocol(Optional), MQTT(Optional)
SDK	
SDK	Support X86 & X64, C++, C#, VB, Delphi, Linux, ARM, Python, NodeJS, QT, JAVA, Android, Modbus.      