



RFGate RGRI-61P UHF RFID Industrial Reader

Product Features

- Adopt industrial design, sturdy and durable, and meet the harsh industrial production line environment;
- The RFID module uses PR9200 dedicated UHF RFID chip,
- Fully support electronic tags that comply with EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C standards;
- Working frequency 865-868MHZ, 902-928MHZ (can be adjusted according to the requirements of different countries or regions);
- Supports ModbusTCP, ModbusRTU protocol, support TCP/UDP protocol
- The card reading distance can be controlled between 30cm-200cm and can be set arbitrarily;
- Communication mode supports 10/100M Ethernet port communication, WiFi (optional), support 232/485 communication;
- Communication interface (GPIO logic control): using 2 outputs and 2 inputs for control;
- Power supply supports wide voltage 9V-24VDCDC (3A) power supply;
- The RF output power is adjustable from 13 to 27dbm;
- The read/disk mode supports continuous (automatic), command, and trigger mode work; data reporting modes: buffer, timing, and instant mode
- Upgrade method:
 1. Serial port upgrade;
 2. Network port upgrade;
- The LED flashes to indicate the working status, and the buzzer sounds to facilitate the user to control the working status of the product.
- All communication interfaces are isolated and protected, and some key communication interfaces are lightning-proof and anti-static;
- Temperature protection: support temperature compensation function in extreme cold areas (optional);
- It is suitable for industrial fields such as production line, food processing automated production line, automated sorting system, parts assembly line, engineering forklift or mine engineering vehicle management. ;

Specifications

Description	
Product model	RGRI-61P
Performance	
RF Radio Frequency Chip	PR9200 dedicated RF chip
Air Interface Agreement	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
Working Frequency	902-928MHz or 865-868MHz
Output Power	27dBm±1dBm
Output Power Adjustment	1dBm Unit increment(Setting via VANCH software)
Receiving Sensitivity	< - 70dBm
Inventory Label Peak Speed	> 50 times/sec
Reading Distance	30-2000MM(Depending on the label)
Write Distance	0-1000MM meter (Related to reader parameter configuration, antenna gain, tag type)
Label RSSI	support
Support Area	The U.S., Canada and other regions that comply with U.S. FCC Part 15 regulations Europe and other regions complying with ETSI EN 302 308 specifications China, India, Japan, South Korea, Malaysia, Taiwan
Antenna	Dual-feed ceramic antenna or PCB near-field antenna
Communication Interface	RJ45、RS232、RS485
Protocol	ModbusTCP、ModbusRTU、TCP/UDP
WiFi (Option)	Support IEEE 802.11 n/b/g
Heating Device (Optional)	Low temperature automatic heating (minus 5°) optional (determined according to the project site environment)
Communication Rate	The serial port rate is 9600 ~ 115200bps, RJ45 is 10Mbps
Working Status	LED indicator, buzzer
Reliable Firmware Upgrade	Scalable upgrade mechanism
General-Purpose input/output (GPIO)	inputs (default is low level trigger), 2 outputs (maximum contact load DC30V/2A, AC125V/0.5A)
Application Software Interface	Provide API development kits and C and Java application routines
Mechanical electrical performance	
Size	95(L)*95 (W)*40(H)mm
Power Supply	Working voltage DC9~24V
Power Consumption	Maximum power consumption 3W, maximum starting current 1A
Communication Harness	Industrial connection tail line one for five interface
Weight	About 1.1 kg (complete set)
Humidity	5% ~ 95%.Non-condensing
Protection Level	IEC IP67
Operating Temperature	-40 °C to +85 °C
Storage Temperature	normal temperature

* The features mentioned above may vary according to the part number of the ordered product. Please specify the features you request in your order

Product Dimension

