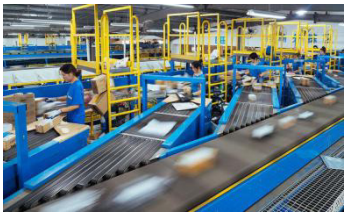
RGR13 BT UHF RFID INDUSTRIAL READER

Features

- (1) Adopt industrial design, sturdy and durable; conform to harsh industrial production line environment;
- (2) Fully support electronic tags that comply with EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C standards;
- (3) Working frequency 865-868MHZ, 902-928MHZ (can be adjusted according to the requirements of different countries or regions);
- (4) Support TCP/IP protocol, Bletooth 4.0 Protocol
- (5) The reading distance can be controlled between 2cm-500cm;
- (6) Without working continuous days 365 X hours 24
- (7) The regular version supports RS232 serial port and network port to upgrade the firmware
- (8) Wide temperature design. Temperature Coefficient is very low.
- (9) All communication interfaces are isolated and protected .
- (10) Suitable for automated production line projects, such as production assembly lines, sorting lines, cycle logistics, automated production lines, mold management, auto parts and assembly lines, etc.;

AGV Car Navigation



Logistics Sorting Line

Auto Parts Management

Machine Tool

Management

Parameter

Model:	RGR13 BT
Performance Index	
Frequency Range	902~928MHz or 865~868MHz
Support area	The U.S., Canada and other regions that comply with U.S. FCC Part 15 regulations Europe and other regions that comply with ETSI EN 302 308 China, India, Japan, South Korea, Malaysia, Taiwan
Frequency modulation method	Broad spectrum frequency modulation (FHSS) or fixed frequency, can be set by software
RF output power	0~33dBm±1dBm
Number of antennas	Built-in 5dbi four-wall helical antenna or -10dbi near-field PCB antenna
Standard interface	RS232,RJ45
Protocol support	Normal version supports TCP protocol
Communication rate	Serial communication rate 9600 ～ 115200bps, RJ45 communication rate 10/100Mbps
Firmware upgrade	Scalable upgrade mechanism
GPIO	2 inputs, 2 outputs
Application software interface	Provide API development kits
Electrical Performance	
Working status display method	180 mA @ 3.5V (26 dBm Output, 25°C)
Tag Operation Performance	
Reading distance	Distance can be controlled from 20mm to 5000mm optional (subject to tag's performance)
Air protocol	EPCglobal UHF Class 1 Gen 2 / ISO 18000-6C
Maximum receiving sensitivity	-75 dbm; Maximum return loss: 10 dbm

Mechanical and Electrical Properties	
Dimension	95（L）*95（W）*40（H）mm
Power	Working voltage DC9~24V, PROFINET version supports POE power supply
Power consumption	Maximum power consumption 3W, maximum starting current 1A
Package weight	450g
Humility	5% ~ 95%, non-condensing
IP grade	IEC IP67
Working temperature	-40°C ~ 85°C
Store temperature	Room temperature
Mounting brackets	Galvanized iron bracket, adjustable reading angle

Dimensions(mm)