

RFID Four Port reader



Model:BB6501

Size: 180*180*28MM (160*160*28mm)

General Description:

BB6501 is a High Performance UHF Super Long Range Integrated Reader. 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.

Application:

- ◆Vehicle no-stop toll management (Car Parking Lot)
- ◆Logistics and Warehouse management
- ◆Production flow-line management
- ◆Products anti-counterfeiting detection
- ◆Assets inventory management
- ◆Unattended weighing management

Characteristic:

- Base on the high-performance RF chip design, Self-intellectual property;
 - Spectrum range: 860~960MHz (customized optional);
 - Support EPC global Class1 Gen2/ISO 18000-6C protocol tag;
 - FHSS or fixed frequency transmission, Support RSSI;
 - RF output power: 33dBm;
 - Support active & passive work mode;
 - Peak Inventory speed:>500tags/sec;
 - Tag buffer size: 1000pcs @ 96bitsEPC;
 - Support EPC, TID, USER, EPC+TID area data read/write operation;
 - Low power dissipation with single +12 DC power supply, POE power(POE standard protocol: IEEE 802.3af, support up to 15W power supply) ;
 - Communicate interface: RS232;USB, RJ45(TCP / IP), WIFI / 4G / POE (OPTIONAL)
 - Support C#, C++, Delphi language development
 - Provide free Window, Linux & Android DEMO software and SDK for testing and facilitating further development;
 - Support temperature sensor RFID tag and the normal RFID tag.
 - Provide 1 input control (5V signal), 2 Wiegand output control (5V signal) and 2 relay control
 - Support for **White List** and **Read By Time***;
 - Support read **'ON'** temperature tag *;**UHF LED tag***.
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● **Absolute Maximum Rating**

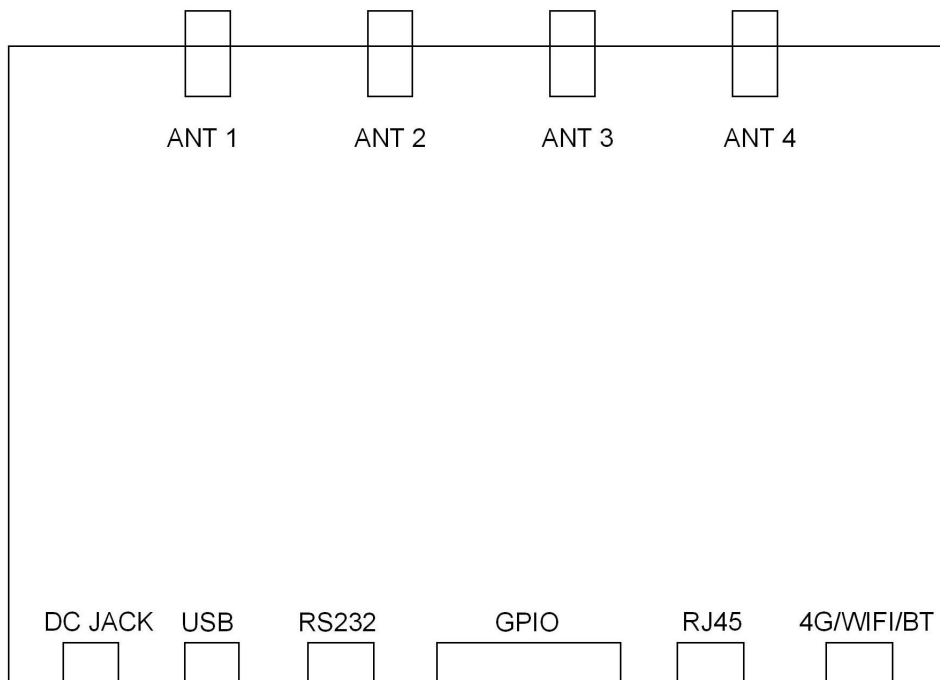
ITEM	Symbol	Value	Unit
Input voltage	VCC	28	V
Operating Temp.	T _{OPR}	-20~+55	°C
Storage temp.	T _{STR}	-30~+70	°C

● **Electrical and Mechanical specification**

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

ITEM	Symbol	min	TYP	max	Unit
Input voltage	VCC	8	12	25	V
Input current	I _C		0.5	1.2	A
Frequency	F _{FREQ}	840	860~868 902~928	960	MHz
Product size	L x W x H		235*155*35		MM
Package size	L x W x H		370*280*70		MM
Package weight	GW		1.5		KG

Interface:



1. Power DC JACK

ITEM	symbol	Description
Central	PWR	+12V
Outer	GND	Ground

2. USB Interface

3. Communicate interface RS232 (DB5 Female)

ITEM	symbol	Description
1	TXD	Serial data output
2	RXD	Serial data input
3	GND	Ground

4. GPIO (Universal input / output interface)

ITEM	symbol	Description
1	VCC	POWER
2	GND	Ground
3	A+	RS485 A+
4	B-	RS485 B-
5	IN	Input
6	WG0	Wiegand Data0
7	WG1	Wiegand Data1
8	GND	Ground
9	RL1	RELAY1_ON
10	COM1	RELAY1_COM
11	RL2	RELAY2_ON
12	COM2	RELAY2_COM

5. TCPIP Interface: RJ45

6. Other Communications Interface: 4G / WIFI / Bluetooth(optional)

7. SMA Antenna Female Interface: ANT1~ANT4
