# **UHF high performance integrated reader IQRFID-5109**



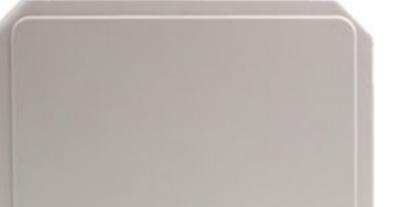
## Product technical parameter

Model number	G-RU5109,RS232,RS485,Wiegand 26 interface G-RU5109T,RS232,RS485,Wiegand 26,TCP/IP interface
Frequency	865~868MHz (EU standard),902~928MHz (US standard)
Protocol	ISO18000-6B/6C(EPC GEN2)
Built-in antenna	9dbi circular antenna
Work mode	Active mode, trigger mode and answer mode (optional)
RF power	30dbm (adjustable)
Read distance	8~10m (depends on tag)
Interface	RS232/RS485/WG26/TCP/IP (optional)
Power supply	9V
Reader Size	257*257*40mm
Net weight	1.7kg
Package size	310*300*110mm
Package gross weight	2.7kg
Operating Temp	-10~+55 ℃
Storage Temp	-20∼+75 °C
storage remp	20 175 0

## Detailed image

Spare parts:1pc reader,1pc power adapter,1pc plug,1pc installation bracket 01









Back side

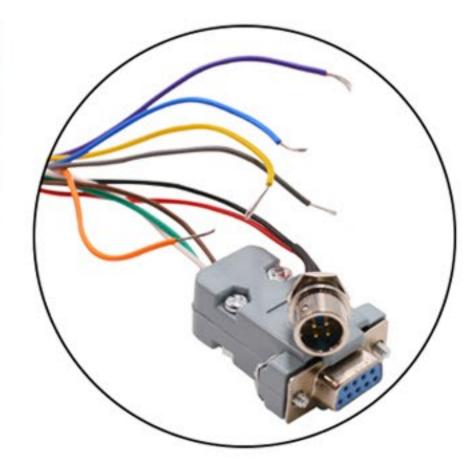
#### Interface:

03

02

Standard interface have RS232,RS485 and Wiegand 26





Item	Comment					
Red	+9V					
Black	GND					
Yellow	Wiegand DATA0					
Blue	Wiegand DATA1					
Purple	RS485 R+					
Orange	RS485 R-					
Brown	GND					
White	RS232 RXD					
Green	n RS232 TXD					
Grey	Trigger input ( TTL level )					

Optional interface have TCP/IP



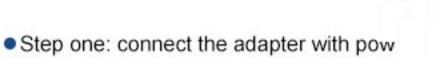
Package:

04

01

Package size:310\*300\*110mm Package weight:2.7kg





- Step two: Connect reader with PC /laptop through
- RS232 interface or RS232-USB converter, put tag close to the reader
- Step three:Open demo software, click "open com port"
- Step four: Click "EPC GEN2 Test", click "Query tag", then the card EPC number will output on the right list.

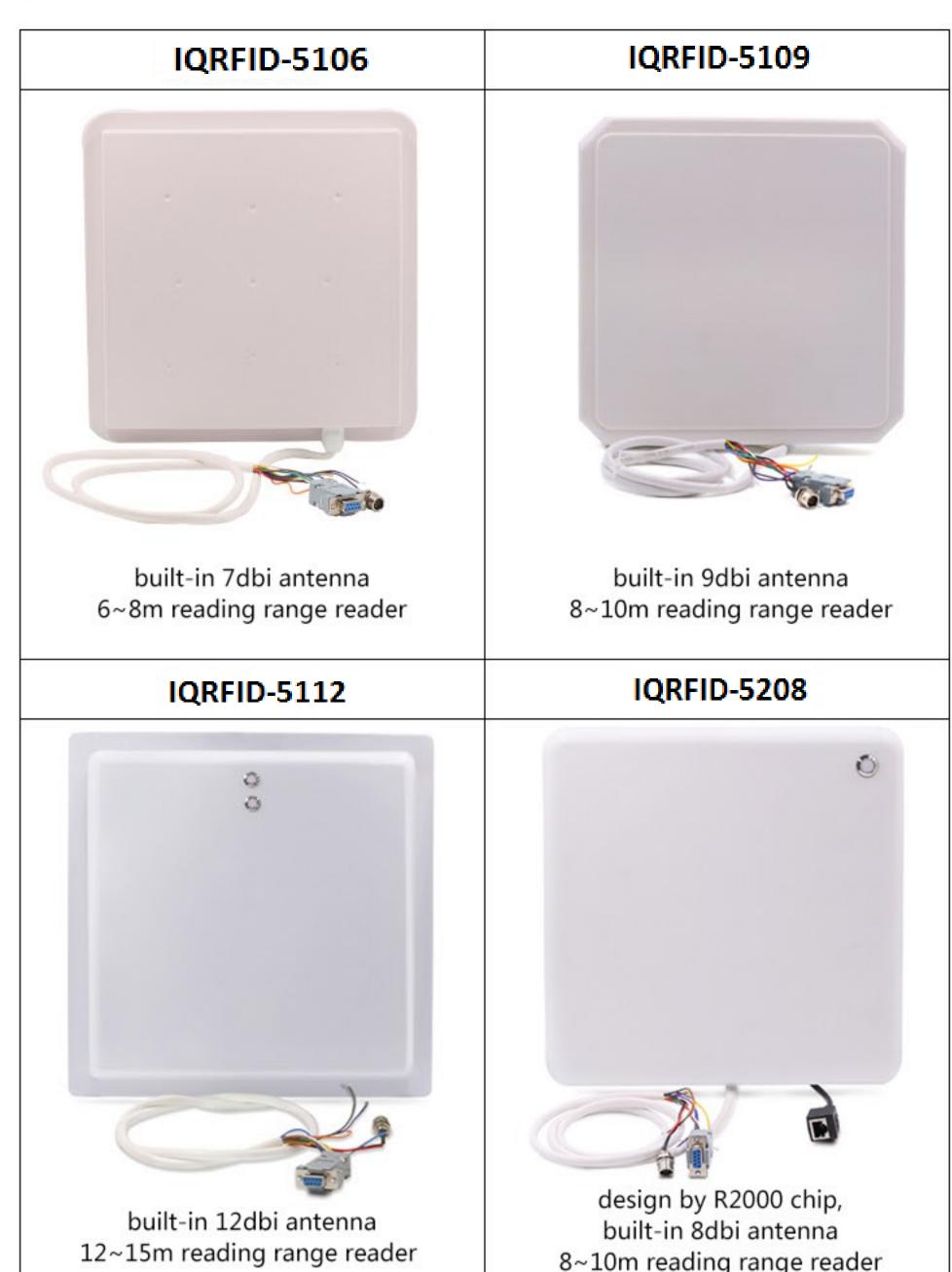
unication Rea	der Inform	ation						
om C TCPIP Typ	e:	UHFReader18	Version	03.63	Protock		C EPCC1-G2	
Dur ure Ade	tress:	00	Power:	30	Max InventoryScanTim		10*100ms	
	ness. J	00	Power.	100	Max Inventoryscan I im	e.	To tooms	
der Address: FF Dmi	inxfre:	902.6MHz	Dmaxfre	: 902.6MHz			Get Reader Info	
pen Com Port	Set Reader Parameter							
d: Add	Address(HEX): 00			Baud:	57600bps	ALCONF. DOLLARS	User band	
001	Power: 30		•	Max InventoryScanTime:	: 10*100ms	•	C Chinese band2	
ned COM Port				indx inventory ocdimine.	. The recents		C US band	
M3 V	nxfre :	902.6 MHz	-	Single Freq			C Korean band	
Dma	axfre :	902.6 MHz	-	Set Parameter	Default Parame	ter	C EU band	
lose Com Port	Work Mar	de Parameter						
	iegand Pa							
"	0.00	126 C Wiega	nd34	Data output interval: 3	)*10ms 👻	Pulse wid	th: 10×10us	
				e and ordere monthly. The			1	
	and the second se	d output LSB first		Pulse interval: 15	5*100us 💌		SetWGParameter	
ader addr: FF	te wiegand output MISB first							
0	Set Work Mode Storage area or inquiry conducted Tags Work Mode: Answer Mode							
Open Net 6	EPCC1-0	62 C ISO1800	10-68 C	Password @ EPC (		ork Mode:  A	Answer Mode	
Close Net		10.5	C	Multi-Query C One-	Query C EAS Sir	igle Tag Filte	ering Time: 0°1s	
(	Wiegar			rst Addr Select	ctivate buzzer First	t Word Add	(Hex): 02	
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2	STRIS	400	C	Byte Addr	lisEnable buzzer Re	ad Word Nu	im: 1 💌	
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	igger une	. 10	<u> </u>				a mont mode parameter	
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	of Tags			Query Tag Read Interval: 50ms - Query Tag		
No.	ID	A state of the second se	gth Times	Read Interval: 50ms Query Tag		
1 00001042190A02440750CB2D 2 E2008366660A00300910B7C7 3 E2002076991002040300EAE6		0C 0C 0C	25 7 15	StartAddr: 00 Lenc 00 TID		
5 22020705510020				Kill Tag		
				00001042190A02440750CB2D		
				Kill Password 00000000 Kill Tag		
				Write EPC(Random write one tag in the antenna)		
00 M	sk Enabled			Write EPC: 0000		
Enab	60	MaskLerc <sup>00</sup>		Access Password 00000000 Write EPC (8 Hex):		
ead Da	ta / Write Data / Block Erase			Read Protection		
		Compute and add P	C: 0800	00001042190A02440750CB2D		
900000 M			*	Access Password 00000000 (8 Hex)		
ddress	of Tag Data(Word/Hex): 00			Set Single Tag Read Protection		
	Data/Read/Block Erase: 4			Set Single Tag Read Protection without EPC		
Password(Read/Block Erase) 00000000 0-120/Word/D): 00000000				Reset Single Tag Read Protection without EPC		
/rite D a	ta (Hex) 0000			Detect Single Tag Read Protection without EPC Passw		
Read Write Block Write Block Erase Clear			-	EAS Alarm		
et Prote	ect For Reading Or Writing			00001042190A02440750CB2D		
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Lock of Password Kill Password C Access Password Readable and writeable from any state Readable and writeable from the secured state		Lock of EPC TID and User Bank		C Alarm		
		<ul> <li>Writeable from any</li> </ul>	i stati	No Alarm     Alarm Setting     Check Alarr		
		<ul> <li>Writeable from the</li> </ul>	secure	Lock Block for User (Permanently Lock)		
		C Permanently writed	de	00001042190A02440750CB2D  Address of Tag Data Oand1		
		C Never writeable				
Permanently readable and writeable     Never readable and writeable		ccess Password (8 He	Set Protect	(Word): Access Password 000000000 Lock		

### **Relative products**

**Related UHF integrated reader writer** 

01



8~10m reading range reader



## **Product application**















