

Long Range UHF RFID Reader And Writer



PK-UHF101U



PK-UHF101E



PK-UHF201U
PK-UHF201E



Introduction

- PK-UHF101 / PK-UHF201 is one of high-performance UHF frequency reader, combining proprietary signal processing algorithms and efficient, with a high recognition rate processing performance and fast read and write, can be widely used in logistics, parking systems, access control systems, security systems and production process control, and other radio frequency identification(RFID) systems.

Features

- Protocol comply with **UHF EPC Gen2(ISO18000-6C), ISO 18000-6B** standard.
- Working frequency **902~928MHz**(PK-UHF101U / PK-UHF201U) / **865~868MHz**(PK-UHF101E / PK-UHF201E)
- Support adjustable frequency range (FHSS) or fixed specific working frequency.
- Power output **0-30dBm** (adjustable)
- Built-in **8dBi/12dBi** polarized antenna as choice : Reading range **3~8M/25M**.
- Support operation Modes as Answer, Active, Trigger mode.
- Low power design, Input Power: **DC +9V**.
- Support **RS-232, RS-485, Wiegand 26/34** Interface. Optional TCP/IP, POE, Wifi.

Specifications

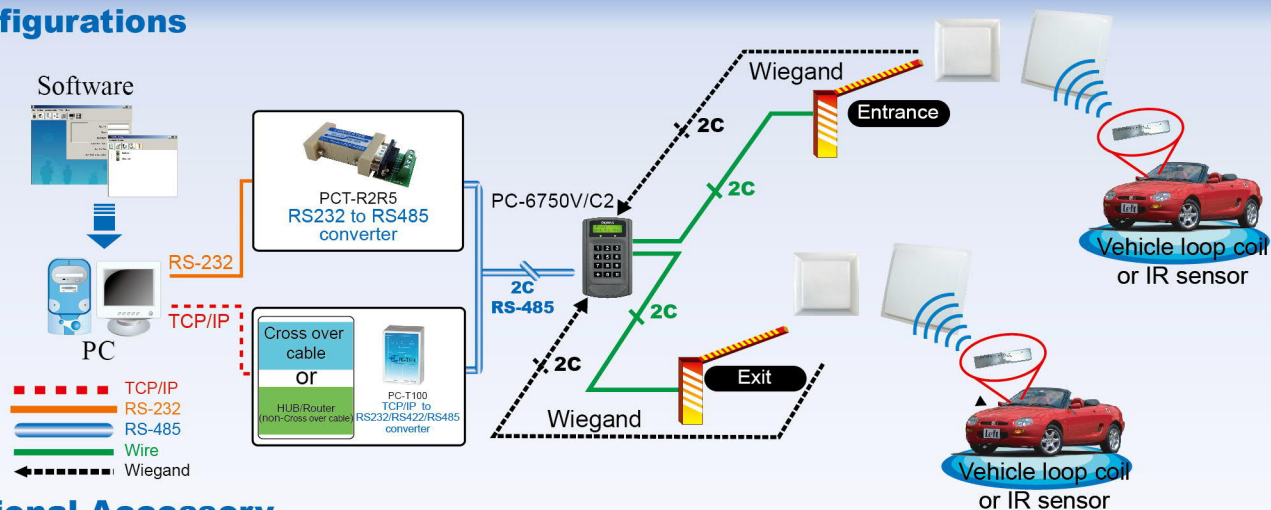
Model No.	PK-UHF101U	PK-UHF101E	PK-UHF201U	PK-UHF201E
Dimension	230 x 230 x 57mm	255 x 255 x 35mm	445 x 445 x 55mm	
Net Weight	900g	900g	2600g	
Gross Weight	1700g	2210g	5000g	
Protocol	ISO18000-6B, EPC Class 1 Gen2(ISO18000-6C)			
Protection Grade	IP54			
Work Frequency	Standard ISM 902~928MHz(PK-UHF101U / PK-UHF201U)(ANSI Standard), 865-868MHz(PK-UHF101E / PK-UHF201E)(British Standard)			
Frequency Hopping	FHSS			
Power Output	0-30dBm(adjustable)			
Antenna	Built-in 8dBi circular polarized antenna		Built-in 12dBi linear polarized antenna (optional for circular antenna)	
Interface	RS232, RS485, wiegand 26/34(TCP/IP,Wifi can be customized)			
Operating Mode	Answer,Active,Trigger			
Read Range	3~8m		3~25m	
Reading Speed	10ms / tag			
Reading Clue	Buzzer			
Input Power	100-240V,DC+9V (Power Adapter)			
Operation Temp	-20°C~+70°C			
Storage Temp	-25°C~+80°C			
Humidity	80%			
Regulatory	Compliant with CE,FCC			
Additional services	Provide Demonstration software and SDK(VC, VB, C#, VB.NET, C++) for further development			

UHF Label / Card / Tag

Appearance			 Card			 Metal Tag
Model No.	PG-PROXL-6C-B2	PG-PROXL-UHF-6C-A-B3	PG-PROXC-UHF-B1	PG-UHFLW9811-B3	PG-PROXL-6C-2-B1	PG-UHFTM10530-B3(865~868MHz) PG-UHFTM10530U-B3(902~928MHz)
Operating Range	9~12m	15m	15m	12m	12m	15m
Dimension(L x W x H)mm	105 x 6.5	110 x 45	85 x 54 x 1	98 x 11	95 x 21	105 x 30 x 7.5

* Operating Range: Depending on antenna/reader

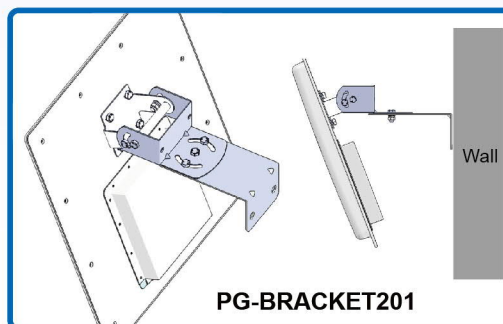
Configurations



Optional Accessory

- ◆ USB type reader support easier ID number collection & registration for access control system.

- ◆ Bracket for PK-UHF201



Ordering information

Model No.	Work Frequency		With LED	Interface		With Relay
	865-868MHz	902~928MHz		RS-232, RS-485, Wiegand 26/34	TCP/IP	
PK-UHF101E	●			●		
PK-UHF101U		●		●		
PK-UHF101UL		●	●	●		
PK-UHF101ET	●			●	●	
PK-UHF101UT		●		●	●	
PK-UHF101EY	●			●		●
PK-UHF101UY		●		●		●
PK-UHF101ETY	●			●	●	●
PK-UHF101UTY		●		●	●	●
PK-UHF201E	●			●		
PK-UHF201U		●		●		
PK-UHF201EL	●		●	●		
PK-UHF201UL		●	●	●		
PK-UHF201ET	●			●	●	
PK-UHF201UT		●		●	●	
PK-UHF201EY	●			●		●
PK-UHF201UY		●		●		●
PK-UHF201ETY	●			●	●	●
PK-UHF201UTY		●		●	●	●

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We reserve the right to change the specification without prior notice or obligation!



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