

# Long Range UHF RFID Reader And Writer



PK-UHF101U



PK-UHF201U  
PK-UHF201E



PK-UHF101E



## 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

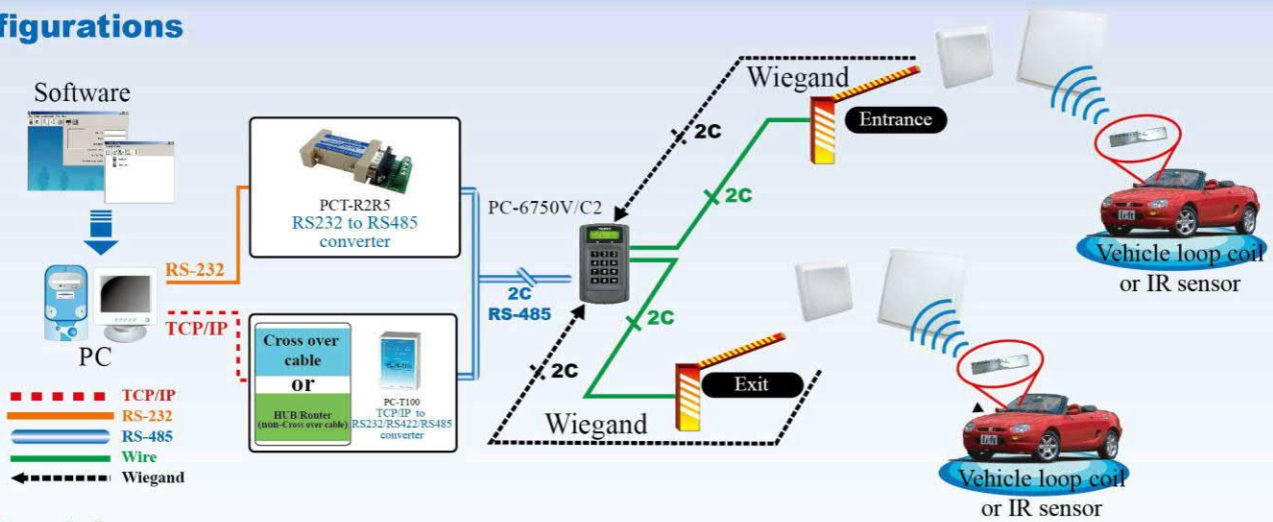
| Model No.           | PK-UHF101U  | PK-UHF101E       | PK-UHF201U   | PK-UHF201E |
|---------------------|---|------------------|--|------------|
| Dimension           | 230 x 230 x 57mm  | 255 x 255 x 35mm | 445 x 445 x 55mm   |            |
| Net Weight          | 900g  | 900g             | 2600g  |            |
| Gross Weight        | 1700g   | 2210g            | 5200g  |            |
| Protocol            | ISO18000-6B, EPC Class 1 Gen2(ISO18000-6C)  |                  |  |            |
| Protection Grade    | IP54  |                  |  |            |
| Work Frequency      | Standard ISM 902~928MHz(PK-UHF101U / PK-UHF201U)(ANSI Standard),<br>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<br>(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      | -25°C~+60°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

|                    |   |   |   |  |   |   |
|--------------------|---|---|---|--|---|---|
| Appearance         |  |  |  |  |  |  |
| 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-UHFTM6025-B3   |
| Dimension(L x W)mm | 105 x 6.5   | 110 x 45  | 85 x 54 x 1   | 98 x 11  | 95 x 21   | 60x25   |

\* Operating Range: Depending on antenna/reader

## Configurations



## Optional Accessory

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



## 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!