



pegasus



# PFH-9210

## Long Range Proximity Reader

Passive Card ( 125 KHz ) & Active Tag ( 433.9 MHz )

**60cm~6m reading range**

60 cm for EM card, 6 m for hand free card



## Introduction:

The **Pegasus PFH-9210 series** are long range readers designed for hand free personal & vehicle access control, product tracking, vehicle & driver ID, process control and so on applications. Depending on models, the PFH-9210-60 reader can read the passivcard up to 60 cm, PFH-9210-620 can read active tag of PFH-320 / PFH-350 to max. 3 meters and read PFH-620 / PFH-650 active tag to max. 6 meters reading range.

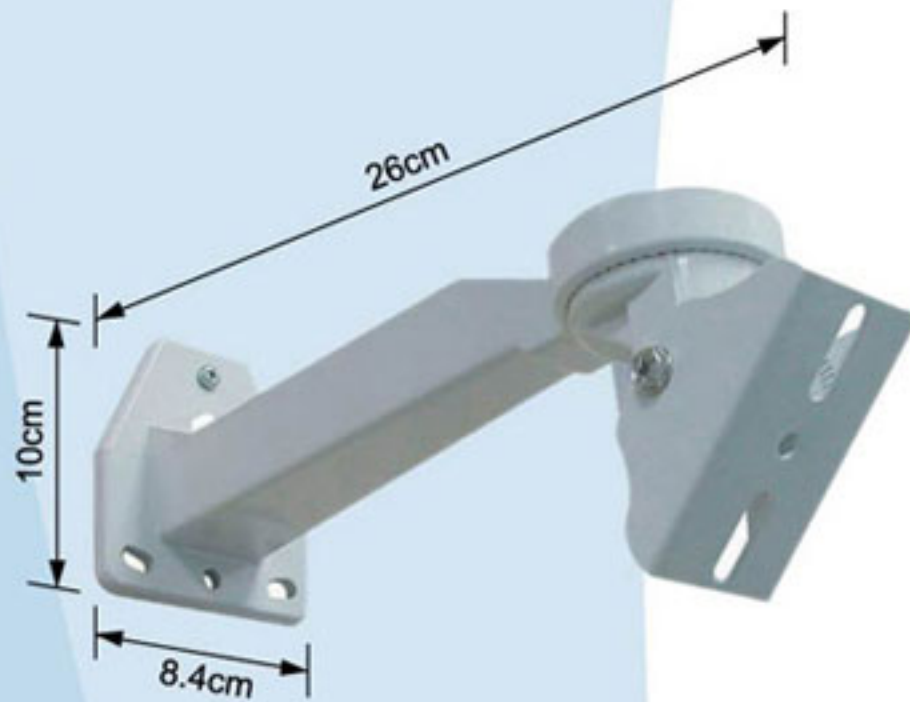
The PFH-9210 series readers can read cards or multiple tags and then provide the different signal formats including Wiegand, ABA, RS-232C or RS-485 and USB (optional). Multiple formats outputs in simple reader is possible to enable more than two data acquisition systems to be addressed simultaneously according to the reader configuration.

## Feature:

- Elegant design of PFH-9210 series.
- PFH-9210-60 pair with passive EM card for 50~60 cm contactless reading range.
- PFH-9210-660 with dual frequency technologies for vehicle & personal identification ( both 125 KHz & 433.9 MHz ).
- Build-in beeper sound with four color LED (Red/Green/Amber/Light) indicators.
- Waterproof seal and potted epoxy for weather resistant and suitable for indoor / outdoor operation.
- Graceful & robust ABS case with screw hole and tamper switch output to prevent vandalism.
- Well automatic tuning to prevent frequency shifting.
- Better performance than UHF in penetrating through the shield window.
- Be able to pair with Pegasus controller (Pegasus format, or wiegand format), Pegasus controller has two built-in relay and can connect two pieces of PFH-9210 series for in/out control.

## Optional accessory:

The bracket for PFH-9210 series



PGV-BRACKET/205N



Vehicle loop detector



PK-PD-232

IR Sensor



LK-10HD



PK-PB-PF02



PK-PB-R02



PK-PB-19SB






PG-CARDBL-3

## Specifications:

### Long Range Proximity Reader

Model No.	PFH-9210-60	PFH-9210-620	PFH-9210-660
Reading Range	Max. 50 ~ 60 cm	Max. 6 meters	Max. 40 cm for EM card Max.6 meters for Hand free card
Buzzer	Yes ( Built - in )	No ( Built-in driver for external buzzer )	
Applicable Card	Standad EM card & PG-PROXS-L-Y1	PFH-320 / PFH-350 PFH-620 / PFH-650	Standad EM card, PG-PROXS-L-Y1 & PFH-660
Operating Frequency	Transmit	125 KHz	125 KHz
	Receiving	125 KHz	433.9MHz
Modulation	Transmit coded - ASK, Receiving - Super Heterodyne		
Output Format	RS-485, RS-232C, Wiegand or Customer specified format ABA Track II magstripe format		
Indications	2 color LED (Red and Amber)	3 color LED (Red, Amber and Green)	4 color LED (Red, Green, Amber and Light)
Mounting / Waterproof	Surface mount / IP 76		
Operating Temp.	-20°C ~ 60°C		
Humidity	10% ~ 90%RH ( Non condensing )		
Dimension (W)x(L)x(H) mm (W)x(L)x(H) inch	270 x 270 x 39 10.63 x 10.63 x 1.54		
Operating Voltage / Current	12 VDC/200mA	15 VDC/300 mA	12 VDC/300 mA
Material	ABS		
Weight(including epoxy)	2.00 Kg ±5%		
Color	Black		

### Applicable Card and Tag reading range

Model No.	PG-PROXS-L-Y1	PFH-320	PFH-620	PFH-660	PFH-350	PFH-650
Dimension (WxLxT) mm	54 x 85 x 1.8	54 x 85 x 8			55 x 87 x 7	
Wake up range	50~60 cm (Max.)	3m(Max.)	6m(Max.)	50~60 cm(Max.) for EM card 6 m(Max.) for hand free card	5m(Max.)	7m(Max.)
Responding range		depends on environment			depends on environment	
Working frequency	125 KHz	433.9 MHz		Dual Functions 1.Hand free card 433.9MHz for car 2.Proximity card 125KHz for personal	433.9 MHz	
Material	PVC	ABS			PC	
Capable of battery	No battery	3V lithium battery X 2 pcs			3V lithium battery X 4 pcs	
Operating Temp.	-10°C~50°C	-10°C ~ 70°C			-10°C ~ 120°C	
Humidity	0% ~ 90%RH ( Non condensing )					
Color	White	Light Gray			Black	
Weight	10 g	38 g			31g	
Appearance						

Battery life : approx. 2 years ( 10 times reading/day )

## Applications:



Vehicle access control system



Personal ID access control



Hand free applications

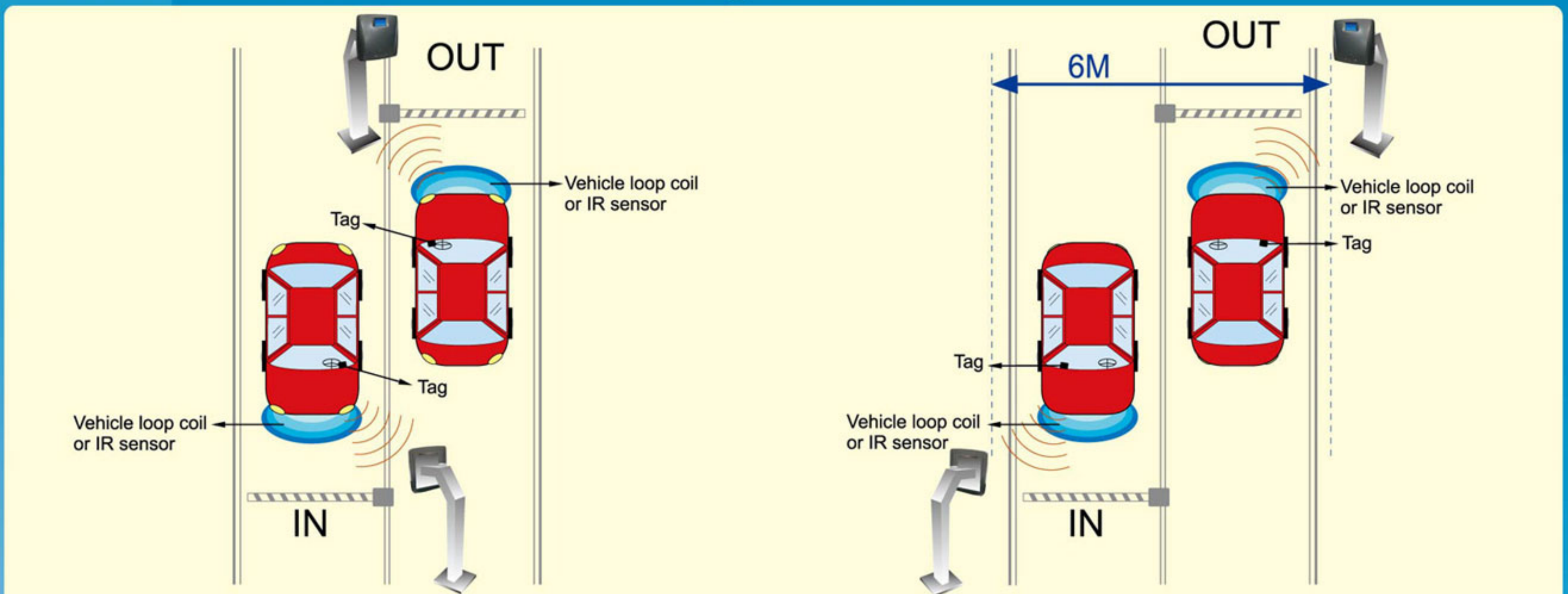


Property management

# System Configurations



## Recommended Installation For Parking Control



### Install of two PFH-9210-620 at different place individually

- Installation Location:**
1. Leave over 6m between entrance and exit reader to avoid the both frequencies interfering with each other.
  2. Install reader at the left side of vehicle lane, and place the tag at the left top windshield of car.

### Install Two PFH-9210-620

- Installation Location:**
1. Leave over 6m between entrance and exit reader to avoid the both frequencies interfering with each other.
  2. Install reader at the right side of vehicle lane, and place the tag at the right top windshield of car.

## How To Order

**PFH - 9210 - 660 - 1 / W**

Pegasus RF Hand free series Model No. Reading distance: Interface:

0: Non epoxy potted  
1: Epoxy potted

60 :60cm  
620 :600cm  
660 :600cm for active card  
60cm for EM card

R2 :RS-232 interface  
R5 :RS-485 interface  
A :ABA interface  
W :Wiegand interface  
W26 :Wiegand 26 bit interface  
W34 :Wiegand 34 bit interface  
W42 :Wiegand 42 bit interface



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

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