



pegasus

PFH-9210



Long Range Proximity Reader

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

60cm~6m reading range



ISO 9001:2000
FM39868

Introduction:

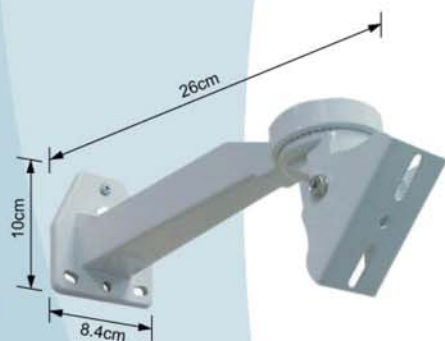
The **Pegasus PFH-9210 series** are long range readers designed for hand free personal & vehicle access control, product tracking, vehicle & driver ID, process control and so on applications. Depending on models, the PFH-9210-60 reader can read the passivcard up to 60 cm, PFH-9210-620 can read active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



Specifications:

Long Range Proximity Reader

Model No.	PFH-9210		
Type	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	EM-125KHz PG-PROXS-L-Y1	PFH-620	Standad EM card & PFH-660
Operating Frequency	125 KHz	433.9MHz&125 KHz	125 KHz & 433.9 MHz
Modulation	Transmit coded - ASK, Receiving - Super Heterodyne		
Output Format	RS-485, RS-232C, Wiegand or Pegasus 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		
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-620			
Type		PFH-300	PFH-320	PFH-620	PFH-660
Dimension (W)x(L)x(T) mm (W)x(L)x(T) inch	54 x 85 x 1.8 2.13 x 3.35 x 0.07	54 x 85 x 8 2.13 x 3.35 x 0.31	54 x 85 x 8 2.13 x 3.35 x 0.31	54 x 85 x 8 2.13 x 3.35 x 0.31	54 x 85 x 8 2.13 x 3.35 x 0.31
Reading range	50~60 cm (Max.)	15 meters(Max.)	3 meters(Max.)	6 meters(Max.)	50~60 cm(Max.) for EM card 6 meters(Max.) for hand free card
Working Frequency	125 KHz	433.9 MHz	433.9 MHz		Dual Functions 1.Hand free card 433.9MHz for car 2.Proximity card 125KHz for personal
Material	PVC	ABS			
Battery	No battery	Built-in 3V lithium battery (active)			
Operating Temp.	-10°C~50°C	-10°C ~ 70°C			
Humidity	0% ~ 90%RH (Non condensing)				
Color	White	Brown	Light Gray		
Weight	10 g	38 g			

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

Applications:



Vehicle access control system



Personal ID access control

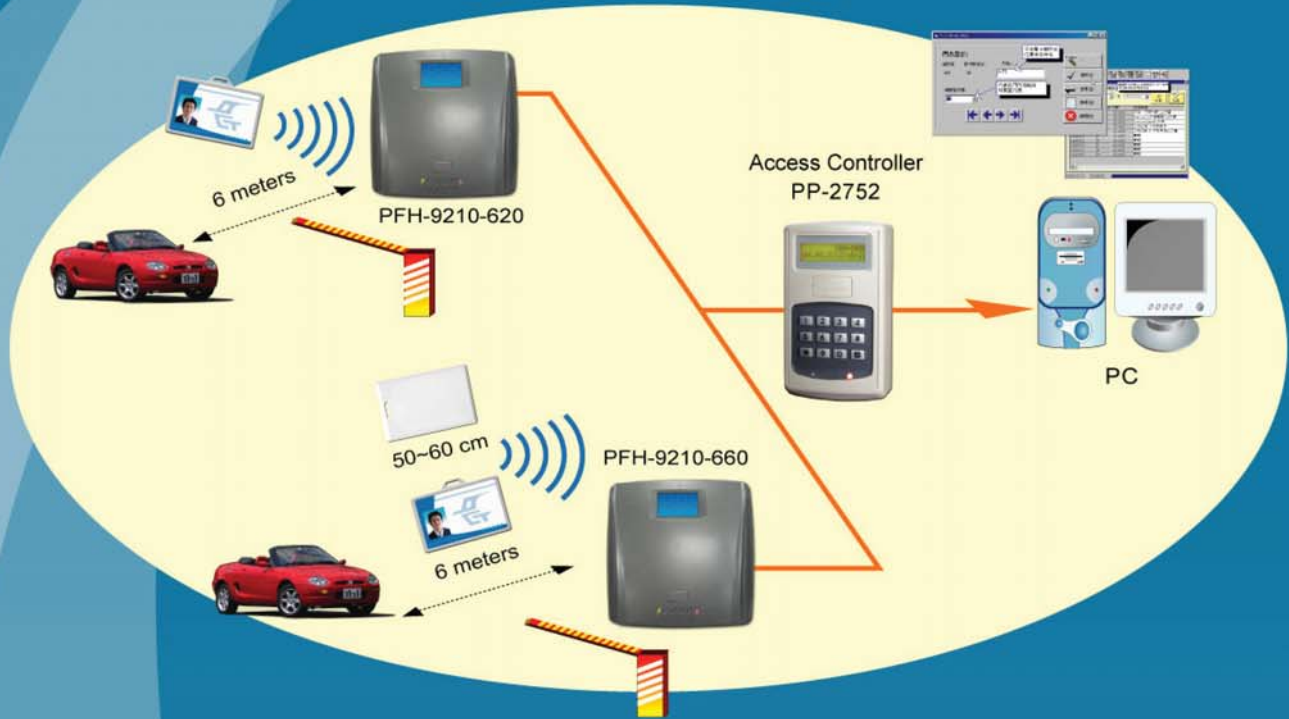


Hand free applications

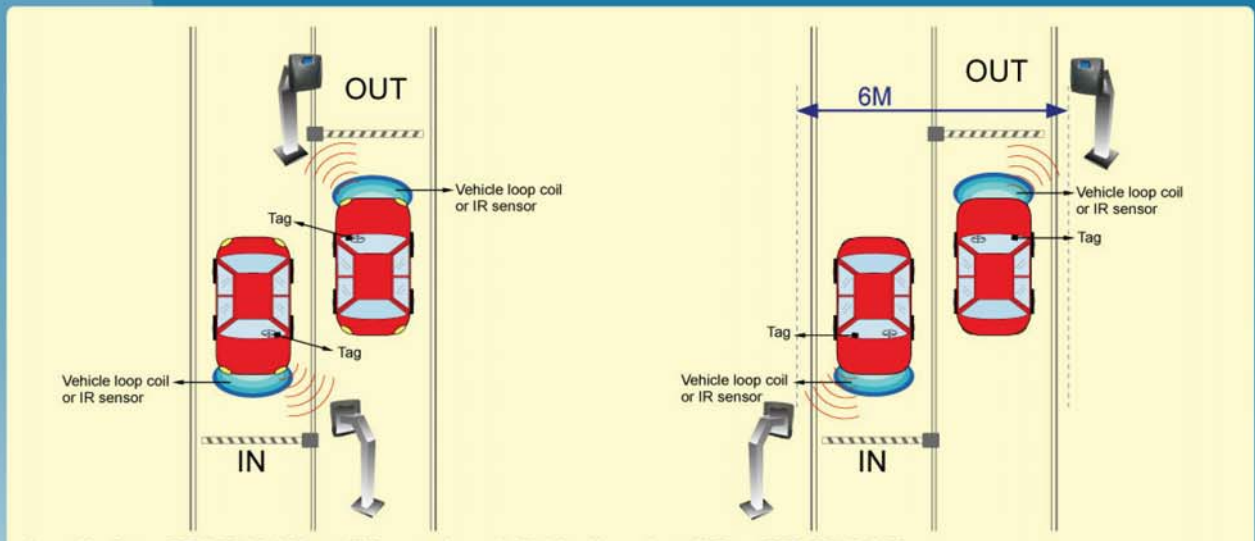


Property management

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.