Long Range Proximity Reader
Active Tag (433.9 MHz) & Passive Card (125 KHz)

Pegasus ®
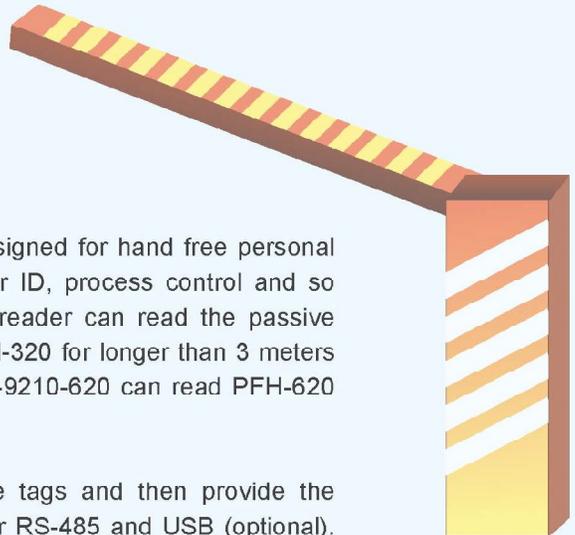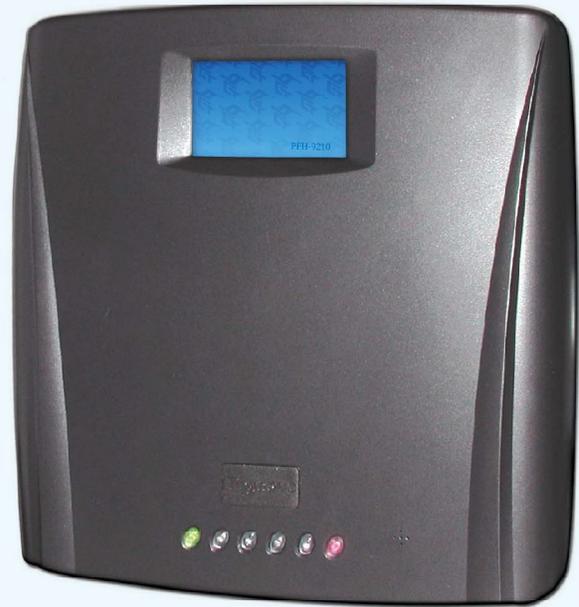
PFH-9210

■ **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 passive card up to 60 cm, PFH-9210-320 can read active tag of PFH-320 for longer than 3 meters and PFH-300 active tag for less than 3 meters. Also, PFH-9210-620 can read PFH-620 active tag to maxi 6 meters.

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.

Features:

- Elegant design of PFH-9210-60 for 50~60 cm contactless reading.
  PFH-9210-310, PFH-9210-320, PFH-9210-360, PFH-9210-620, PFH-9210-660 for 3 ~ 6 meters hand free reading.
- PFH-9210-360, 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.
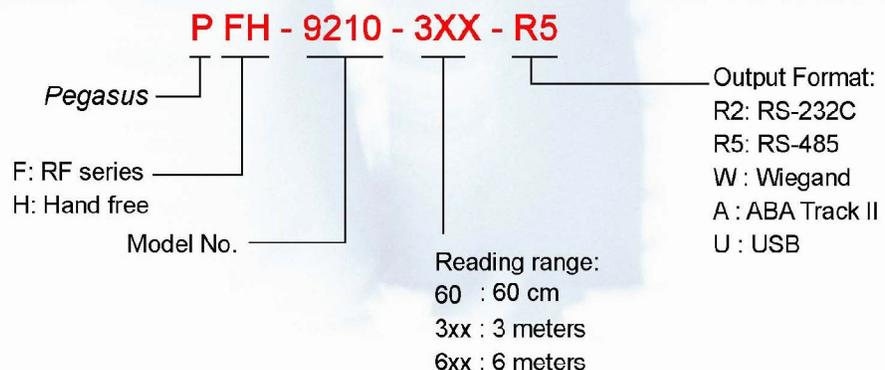- Well automatic tuning to prevent frequency shifting.

Specifications :

▶ *Long Range Proximity Reader*

Model No.	PFH-9210-60	PFH-9210-310	PFH-9210-320	PFH-9210-620	PFH-9210-660
Reading Range	Max. 50 ~ 60 cm	Min. 3 m can up to 15m on environment	Max. 3 meters	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 card PG-PROXS-L-Y1	PFH-300	PFH-320	PFH-620	standard EM card & PFH-660
Operating Frequency	125 KHz	433.9MHz	433.9 MHz & 125KHz		125 KHz & 433.9 MHz
Modulation	ASK	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 Green)				
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 (W) x 270 (L) x 39 (H) 10.63 (W) x 10.63 (L) x 1.54 (H)				
Operating Voltage / Current	12 VDC/200mA	15 VDC/300 mA			
Material	ABS				
Weight	2.00 Kg ±5%				
Color	Black				
Picture					

Ordering information: ➡ *For PFH-9210 Long Range Proximity Reader*

P FH - 9210 - 3XX - R5

- *Pegasus*
- F: RF series
- H: Hand free
- Model No.
- Reading range:
  60 : 60 cm
  3xx : 3 meters
  6xx : 6 meters
- Output Format:
  R2: RS-232C
  R5: RS-485
  W : Wiegand
  A : ABA Track II
  U : USB

Applications :

1. Vehicle access control system
2. Personal ID access control
3. Hand free applications
4. Property management

▶ **Applicable Card and Tag**

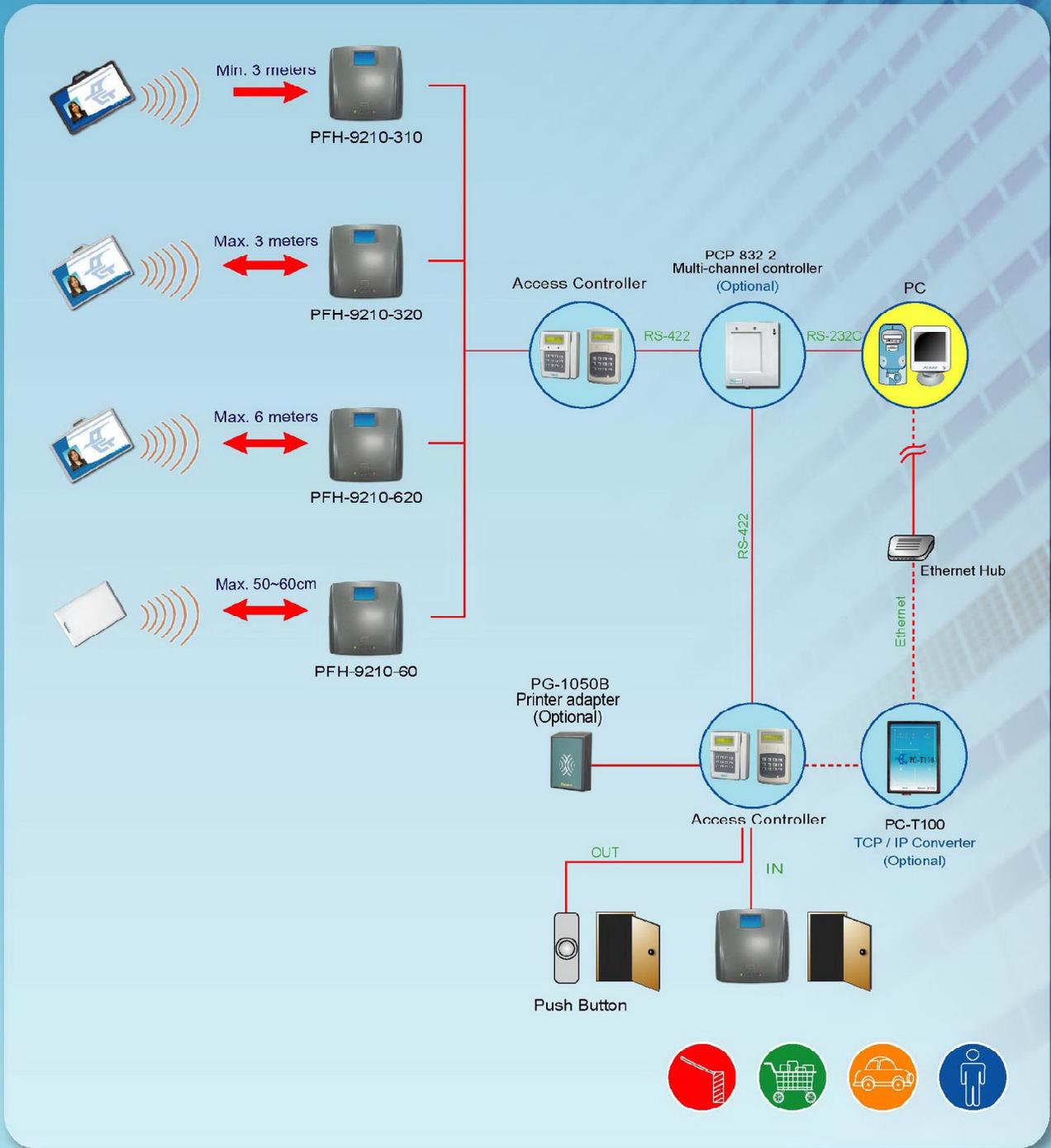| Model No.	PG-PROXS-L-Y1	PFH-300	PFH-320	PFH-620	PFH-660
Dimension (W)x(L)x(T) mm	54 x 85 x 1.8	54 x 85 x 8	54 x 85 x 8	54 x 85 x 8	54 x 85 x 8
(W)x(L)x(T) inch	2.13 x 3.35 x 0.07	2.13 x 3.35 x 0.31	2.13 x 3.35 x 0.31	2.13 x 3.35 x 0.31	2.13 x 3.35 x 0.31
Material	PVC	ABS			
Working Frequency	125 KHz	433.9 MHz	433.9 MHz		Dual Functions 1.Hand free card 433.9MHz for car 2.Proximity card 125KHz for personal
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	White		
Weight	10 g	38 g			
Picture					

Battery life time is 3 years (10 times reading/day)

➡ *Ordering information for Hand free card*

P FH - 3XX

Pegasus

F: RF series
H: Hand free

Reading range:
300: 3 meters Min.
320: 3 meters Max.
620: 6 meters Max.
660: 6 meters Max.

Min. 3 meters
PFH-9210-310

Max. 3 meters
PFH-9210-320

Max. 6 meters
PFH-9210-620

Max. 50~60cm
PFH-9210-60

Access Controller

PCP 832 2
Multi-channel controller
(Optional)

RS-422

RS-232C

PC

RS-422

Ethernet

Ethernet Hub

PG-1050B
Printer adapter
(Optional)

Access Controller

PC-T100
TCP / IP Converter
(Optional)

OUT

IN

Push Button

Pegasus

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

CAT:050920