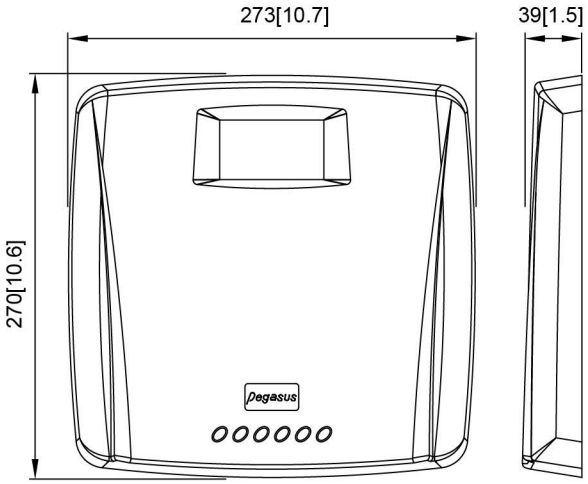
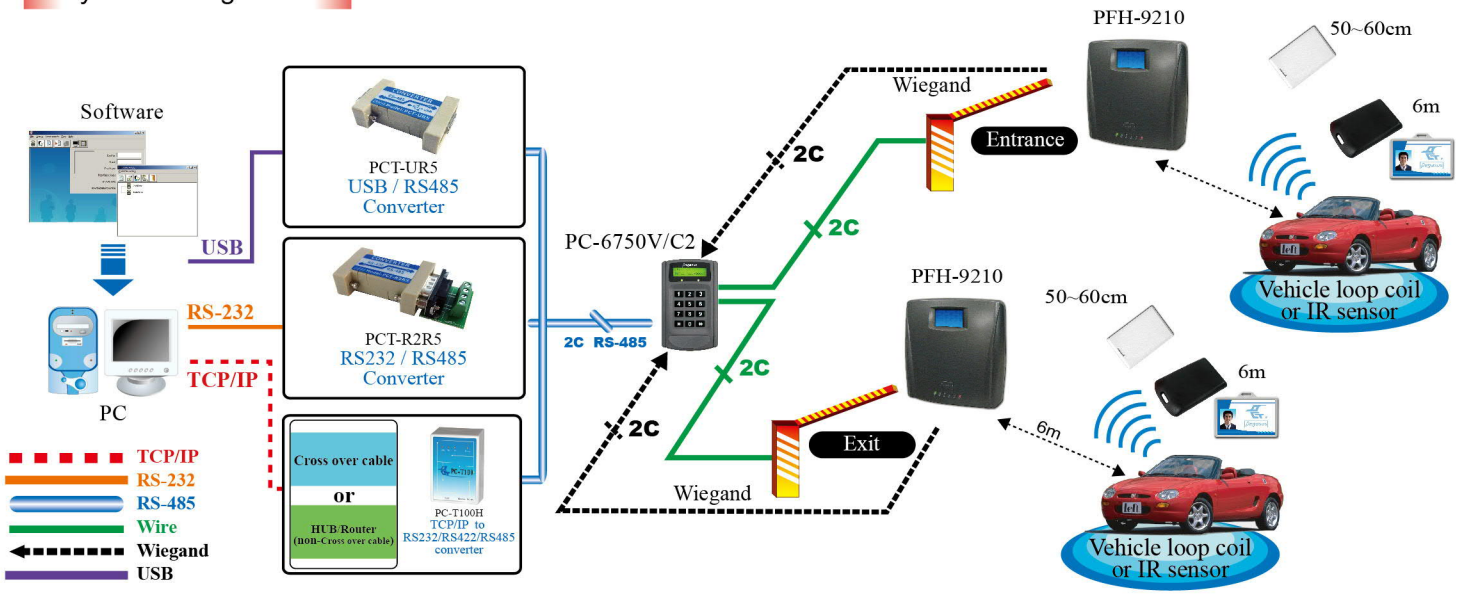
PFH-9210

Dimensions mm[inch]



System Configuration



Introduction

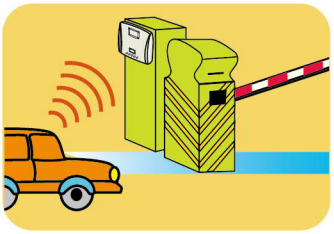
The Pegasus PFH-9210 series are long range readers designed for hand free personal & vehicle access control, product tracking, vehicle & driver ID, process control and so on applications. Depending on models, the PFH-9210-60 reader can read the passivecard up to 60 cm, PFH-9210-620 can read active tag of PFH-300 active tag to max. 6~10 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.

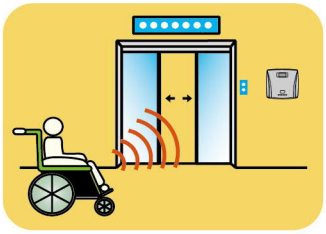
Features

- 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.

Application


Vehicle access control system

Personal ID access control


Hand free applications

Property management

Specifications

Long Range Proximity Reader

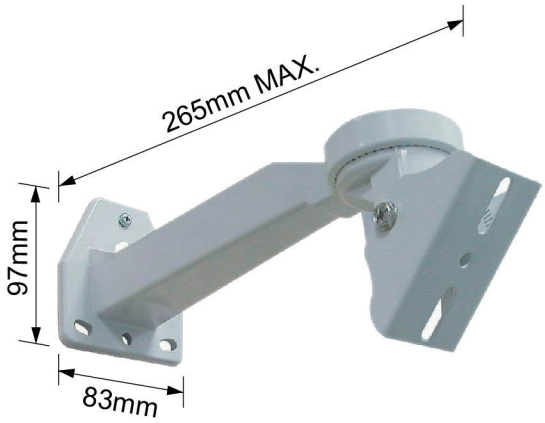
Appearance					
Model No.		PFH-9210-30/Q	PFH-9210-60	PFH-9210-620	PFH-9210-660
Operating Frequency	Transmit	Q Type	125KHz	125KHz	125KHz
	Receiving	Q Type	125KHz	433.9MHz	125KHz/433.9MHz
Applicable Cards		Q Type card: PG-PROXS-Q10-B1 Q Type tag: PG-PROXK-Q10-B1	EM card: PG-PROXS-L-B1	RF Hand Free Card: PFH-300	EM card: PG-PROXS-L-B1
Reading Range		Max. 30cm	Max. 50~60cm	Max. 6~10m	PG-PROXS-L-B1: Max. 40cm PFH-620: Max. 6m
Reading Angle		120 ^{o}	120 ^{o}	360 ^{o}	120 ^{o} / 360 ^{o}
Output Format		Wiegand 26 / 34bit	Wiegand 26 / 34bit RS-232 / RS-485	Wiegand 26 / 34bit / ABA / RS-232 / RS-485	
Indications	LED	2 pieces of LED		3 pieces LED	4 pieces LED
	Buzzer	Built - in		No (Built-in driver for external buzzer)	Built - in
Operating Voltage / Current		DC 12V/100mA	DC 12V/200mA	DC 15V/320mA	DC 12V/200mA
Operating Temperature		-10^{o}C ~ 60^{o}C			
Storage Temperature		-20^{o}C ~ 85^{o}C			
Humidity		10% RH ~ 90% RH Non condensing			
Material / Color		ABS / Black			
Dimensions(L×W×H)mm		273 × 270 × 39			
Weight(including epoxy)		2.0Kgs±5%			

Applicable Card

Appearance			
Model No.		PG-PROXS-L-B1	PFH-300
Card Type		EM Card	RF Hand Free Card
Operating Frequency	Transmit	125KHz	433.9MHz
	Receiving	125KHz	125KHz
Reading Range		Max.50~60cm	Max.6~10m
			Depending on environment
Capable Of Battery		NO	Battery(CR2032)x 2 pieces
Operating Temperature		-10°C~50°C	-10°C~70°C
Material / Color		PVC/White	ABS/Gray
Dimensions(L×W×H)mm		85x54x1.8	85x54x8
Weight		10g	38g

Optional Accessory

PFH-9210 Series Bracket :PGV-BRACKET/205N



Vehicle loop detector:PK-PD-232

IR Sensor:LK-12HD