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

PG-9210

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-320 / PFH-350 to max. 3 meters and read PFH-620 / PFH-650 active tag to max. 6 meters reading range.
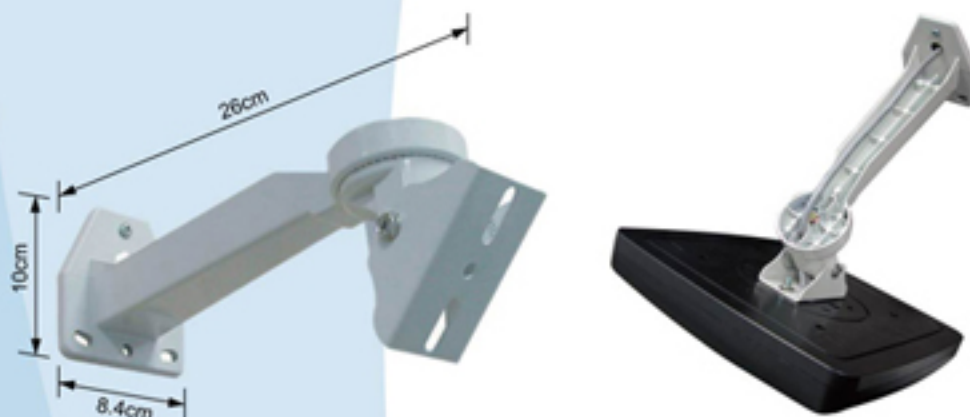
The PFH-9210 series readers can read cards or multiple tags and then provide the different signal formats including Wiegand, ABA, RS-232C or RS-485 and USB (optional). Multiple formats outputs in simple reader is possible to enable more than two data acquisition systems to be addressed simultaneously 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

26cm

10cm

8.4cm

PGV-BRACKET/205N

Vehicle loop detector

PK-PD-232

IR Sensor

LK-12HD

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.4 meters for Hand free card
Buzzer		Yes (Built - in)	No (Built-in driver for external buzzer)	Yes (Built - in)
Applicable Card		Standad EM card & PG-PROXS-L-B1	PFH-320 / PFH-350 PFH-620 / PFH-650	Standad EM card, PG-PROXS-L-B1 & PFH-660
Operating Frequency	Transmit	125 KHz	125 KHz	125 KHz
	Receiving	125 KHz	433.9MHz	433.9MHz / 125 KHz
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.		-10°C ~ 70°C		
Humidity		10% ~ 90%RH (Non condensing)		
Dimension (W)x(L)x(H) mm (W)x(L)x(H) inch		270 x 273 x 39 10.6 x 10.7 x 1.5		
Operating Voltage / Current		12 VDC/200mA	15 VDC/320 mA	12 VDC/200 mA
Material		ABS		
Weight(including expoxy)		2.00 Kg ±5%		
Color		Black		

Applicable Card and Tag reading range

Model No.	PG-PROXS-L-B1	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 4 m(Max.) for hand free card	3m(Max.)	6m(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
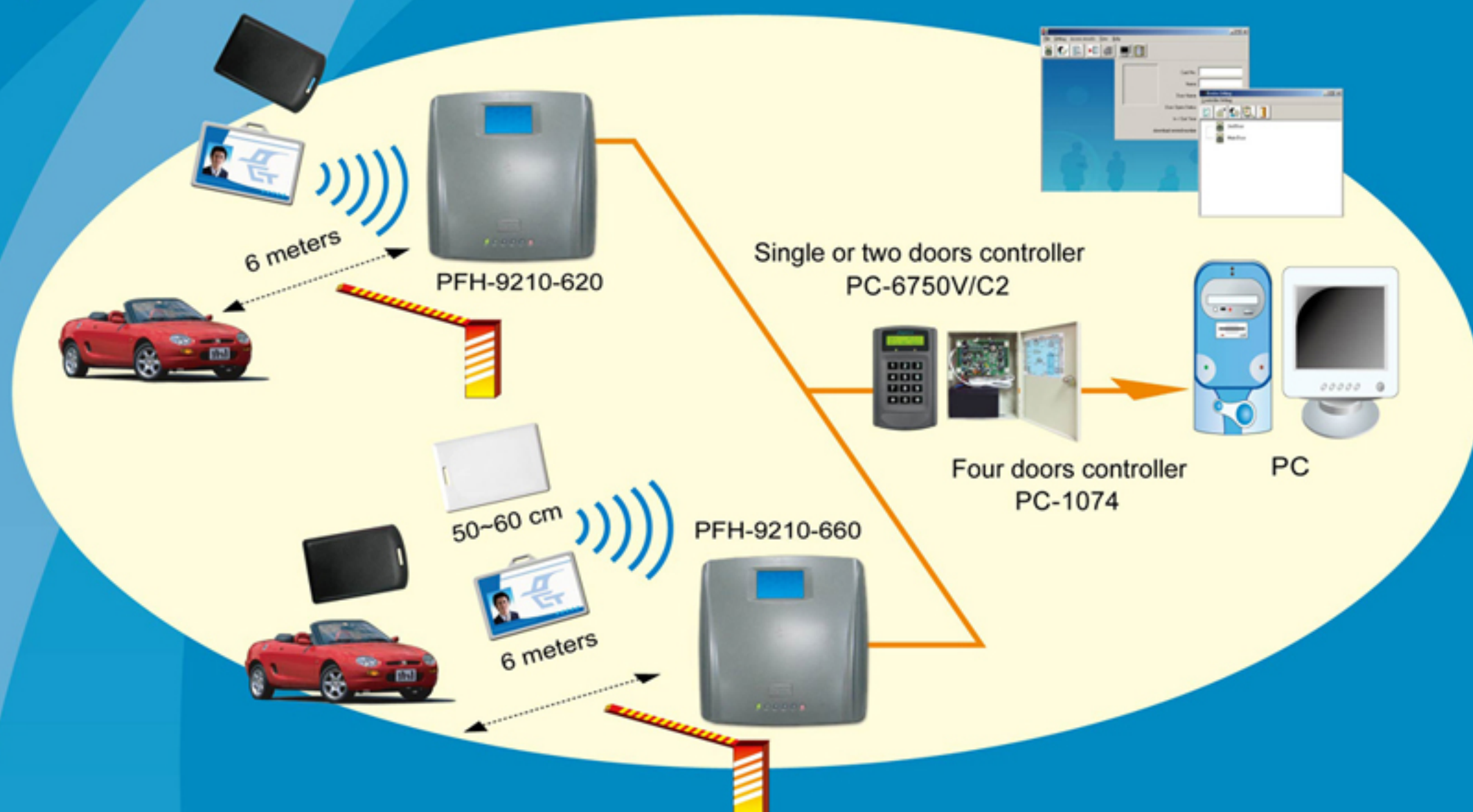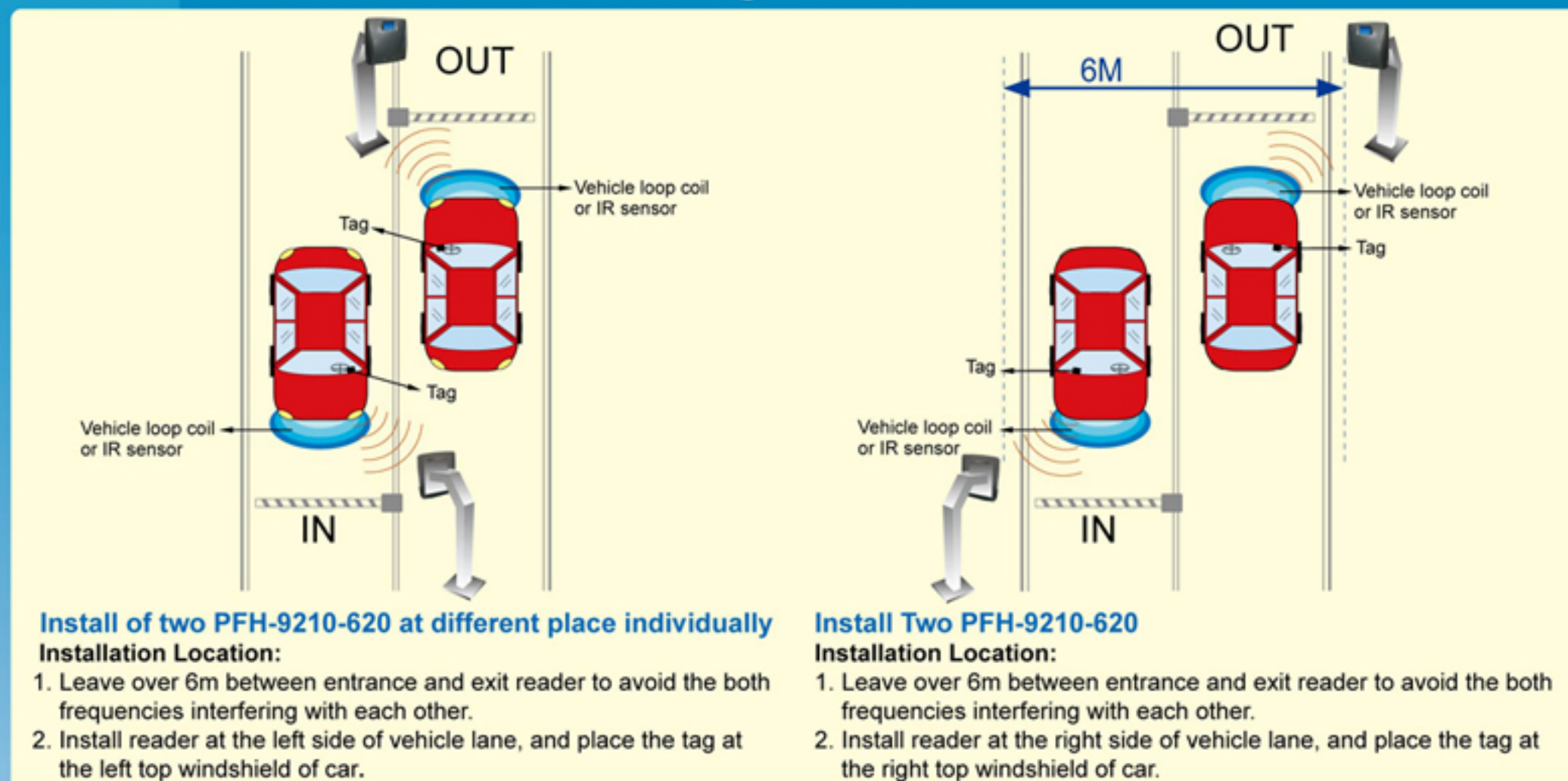
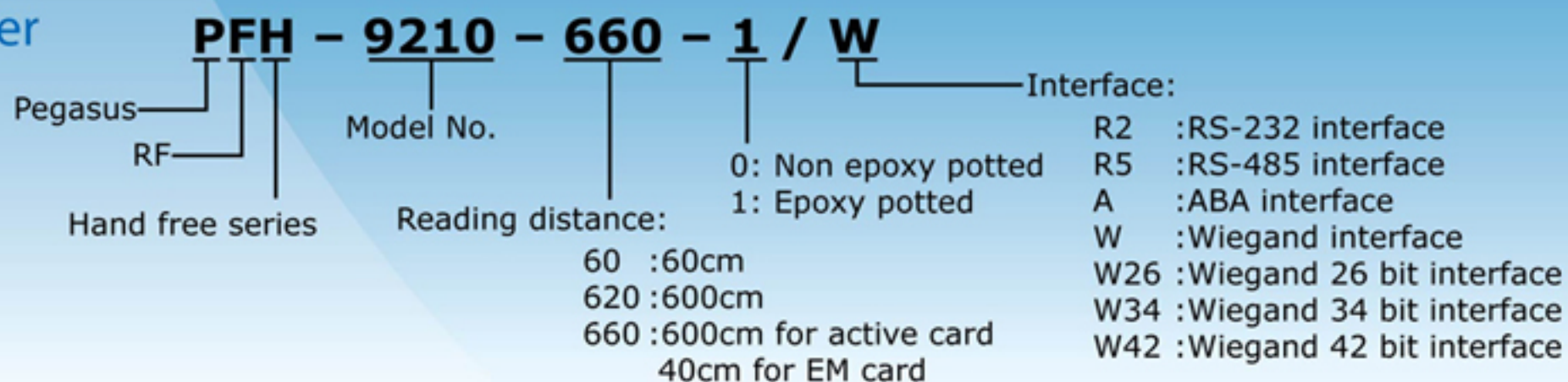Hand free applications

Property management

System Configurations

PFH-9210-620

6 meters

Single or two doors controller
PC-6750V/C2

50~60 cm

PFH-9210-660

6 meters

Four doors controller
PC-1074

PC

Recommended Installation For Parking Control

OUT

OUT

6M

Vehicle loop coil
or IR sensor

Tag

Tag

Tag

Vehicle loop coil
or IR sensor

Vehicle loop coil
or IR sensor

Tag

Vehicle loop coil
or IR sensor

IN

IN

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:
60 :60cm
620 :600cm
660 :600cm for active card
      40cm for EM card

0: Non epoxy potted
1: Epoxy potted

Interface:
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

PONGEE INDUSTRIES CO.,LTD.

® 5F., No.738, Chung-Cheng Rd., Chung-Ho District, New Taipei City 23511, Taiwan

Pegasus

Tel : 886-2-82280198
E-mail : pongee@pongee.com.tw

Fax : 886-2-82280191
Website:http://www.pongee.com

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

CAT:140103