Access Controller With Time Attendance

Access Control / Time & Attendance /
Lift Access Control System / Home & Office Security

Applied with EM card / Mifare card / Felica card / Anti-duplicate card / NFC / Bluetooth / Pongee App

Pegasus ®

TCP/ IP Embedded

PP-45

PZ-85

PP-36

PP-35

PP-85V

PP-56

TCP/ IP Embedded

TCP/ IP Embedded

PP-3702/T

PFP-3702V

PP-2750V

PP-6750V

System introduction

- The Pegasus intelligent time recording terminals are designed to meet variant applications in time attendance and access control, lift control & ARM/DISARM security requirements. Each terminal can be operated independent simply or through PC communication RS-485 / TCP/IP to fulfill the multiple doors access system. The recording terminal includes nearly all the necessary functions for time recording and access control with bountiful manual & PC executed commanded functions as well as friendly operation commanded for manual operation.
- Supported Multi-frequency (**EM / Mifare <ISO 14443A , ISO 14443B> / Felica**) time attendance recorder and access controller. (by optional)
- Supported dual decoding (**EM 125KHz ASK & 125KHz FSK 26、34、42bits**) time attendance recorder and access controller. (by optional).
- Unfading keypad by dual color ABA injection, unfading keypad with backlight. (Optional)
- With Freescale CPU supported working temperature -55~155°C
- Switching on alarm automatically, if failed input password for three times and warning management to avoid illegal entrance.
- Relay supported with shockproof, to avoid illegal open door entrance.
- Supported macro command to simplify access control & lift access setting.
- Supported **Bluetooth / NFC / Pongee APP** function.(Optional)
- For higher security, our **M3 series** is applied with anti-duplication HF card.
- Security function to activate or deactivate all or selected sensors.
- Support fire alarm signal to release the door automatically.
- Not compare and add card by reading.

General features

Features for time recording application:
- Selectable batch or real time operation mode.
- 79 duty codes, duty name defined by PC.
- Possible in 8 digits ID for time attendance recording.
- Totally 192 alarm schedules (8 schedules per hour) dry contacts output for periodic belling.
- Supply data collection by real time or one by one events or massive block dump.
- High capacity with 8 digits card number. (Either checking or without checking personal map)
- LCD display with 8 digits for displaying year, month, day, week, time & events counter. (For PP-6750V / PP-2750V / PP-3702/T / PFP-3702V series)

Features for access control application:
- System parameters and personal access map can be downloaded by PC or manually programmed through keypad.
- The personal access map is consisted of card ID, staff number and name, PIN and Time Zone Status, expiry date and Anti-passback.
- Excellent multiple operation modes :(1) Card only (2)Free access (3)Automatic operation mode by time zones.
  (4) Card + PIN (5)Door PIN only (6)Card Number+PIN (7)Fingerprint (8) ID+Fingerprint
  {(4)(5)(6) except PP-36 / 56, (7)(8) for PFP-3702V}
- All operation modes with PIN are supported by selectable duress function. Also, keypad is lockable to become dumb.(except PP-36 / 56)
- Individual personal access map can be edited by block range add or delete card in group basis by on-lined PC or by manual thru. single / block range card number or by directly reading card thru. learning mode.
- Selectable immediate or batched conditional sorting and then printing out events thru. serial output interface.
- With complete door release, held monitoring and intruded alarm period and error trials.
- Full APB (anti-passback), time zone.
- Could dump all personal map in system by single PC or manual command.
- Group function by pressing password.

Features for lift access control application:
- Supports 8/24/48/64/96 floors lift access control.
- Could lift access control and time zone control at the same time.
- With lift control, floor intercom, Mifare prepaid value, RFID lift card (Use competence login in card) function (Main function refer to lift access controller system)
- **For more information, please refer to lift access controller system.**

Special function(optional):

- Patrol card : recording data, not to open door.
- Clean card : opening for specific time zone.
- Opening with dual card: The open door function by using two cards to proximity at the special time zone.
- Combining access control with relay box for DI/DO control.
- Pair with relay box and mini electromagnetic lock(ex. PML-080A) for locker or mail box management.
- Voice broadcast function : Divide two types of public affairs and private affairs, upload data to access controller after edit in software.
- Private affairs will be broadcasted in advance.
- Massage will be showed on LCD.
- Have another RS-485 to connect the other devices.

Specification

3,000 Fingerprints

Model No.	PP-35	PP-36	PP-56	PP-85	PZ-85	PP-45	PP-2750V	PP-6750V	PP-3702T	PFP-3702V
Dimensions(LxWxH)mm	118x75x17	118x75x17	125x83x27	116x81x30	119x84x32	140x58x25.5	157x124x42	138x85x29	174x100x43	174x100x43
Meterial	ABS	ABS	ABS	ABS	Metal	ABS	Metal	ABS	ABS	ABS
Doorbell	Yes(Optional)	---	---	Yes	Yes	Yes	---	---	Yes	Yes
Waterproof	Yes	Yes	---	Yes	Yes	Yes	---	Yes	---	---
Display	NO							16*2 rows of LCD		
Power requirement	DC 12V, standby current 30mA±5% , working current 60mA±5%						DC 12V, standby current 80mA±5% , working current 100mA±5%			
	(not including external power requirement for lock & alarm)									
Output interface	RS-485 / RS-232(Optional)		RS-485 TCP/IP	RS-485 / RS-232(Optional)				RS-485 TCP/IP	RS-485 & RS-232 & TCP/IP	
Operating temperature	$-20^{o}C \sim 70^{o}C$									
Humidity	10%~90%									
Transmission rate	Default 9,600 bps N,8,1(2,400/4,800/19,200bps)(38,400<selectable>)									
Password	Programmable 4 digits PIN for each person.									
Serial output	1. For connection with serial printer. 2. To drive DDR (digital door relay) for secure assess control function. 3. To drive 8/24/48/64 relay output modules for lifts access control. 4. Bountiful application functions requested by customer.									
Card capacity/Events	32,000 card capacity, 32,000 events.(Other capacity combination requested by order)									
Card standard	125KHz ASK EM / 125KHz FSK / 13.56MHz Mifare (ISO 14443A , ISO 14443B) / 13.56MHz ISO 15693 13.56MHz Felica (ISO 18092 UID) ※ Support customized card.									
Input	With one or optional two port for external Wiegand (26/34 bits definable by command, 32/36/40/42/25/35/37bits(Optional)) & ABA input(by order)									

Note: PP-36/56 is a access controller without keypad, all of the function codes should be set by software.

Mifare is a registered trademark of NXP B.V.
FeliCa is a trademark of Sony Corporation.
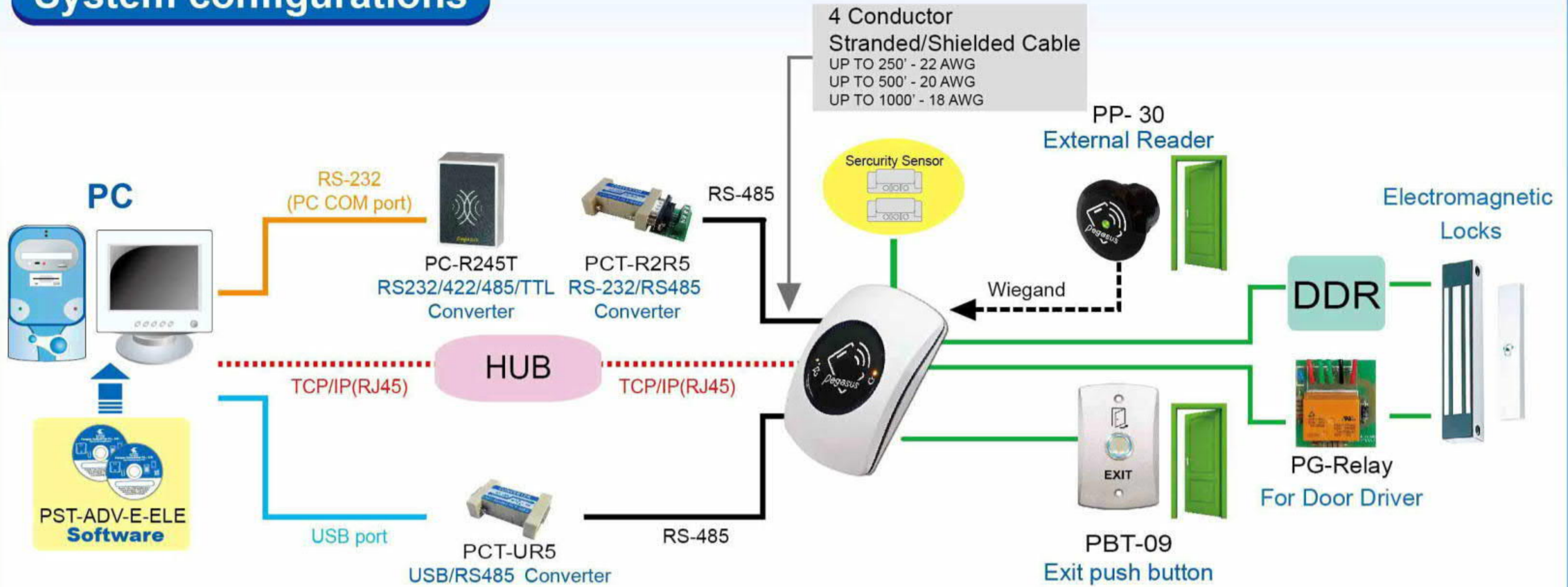
Personal access control
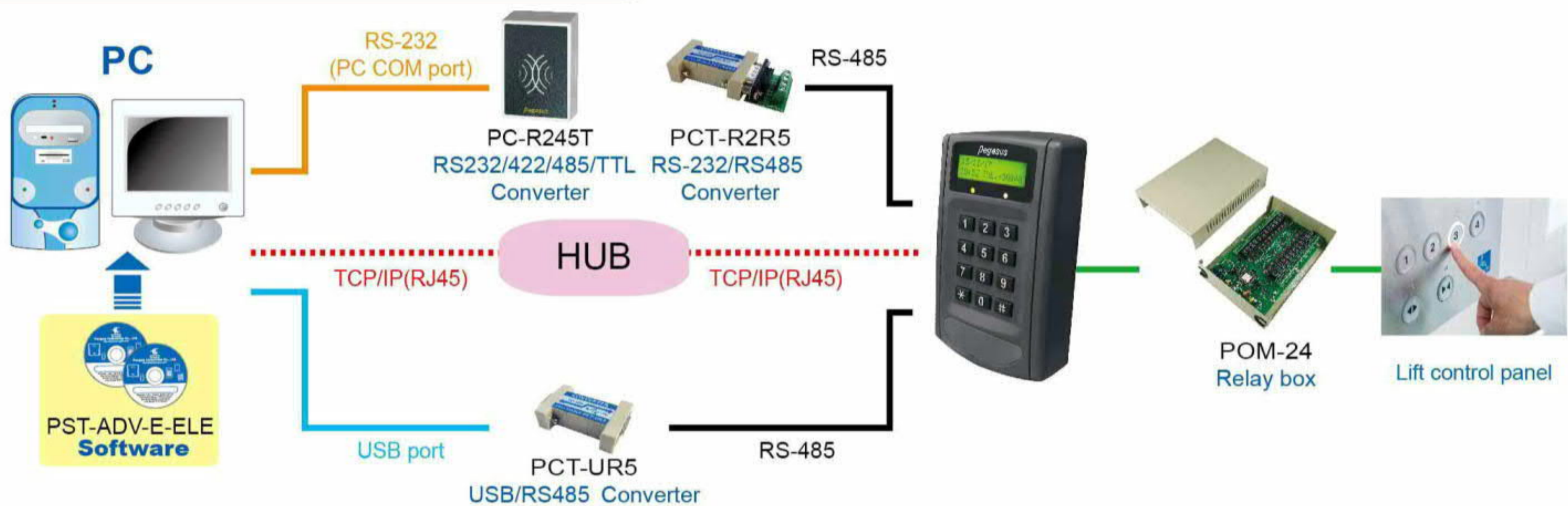
Management system for locker or mail box

Lifts access control

System configurations
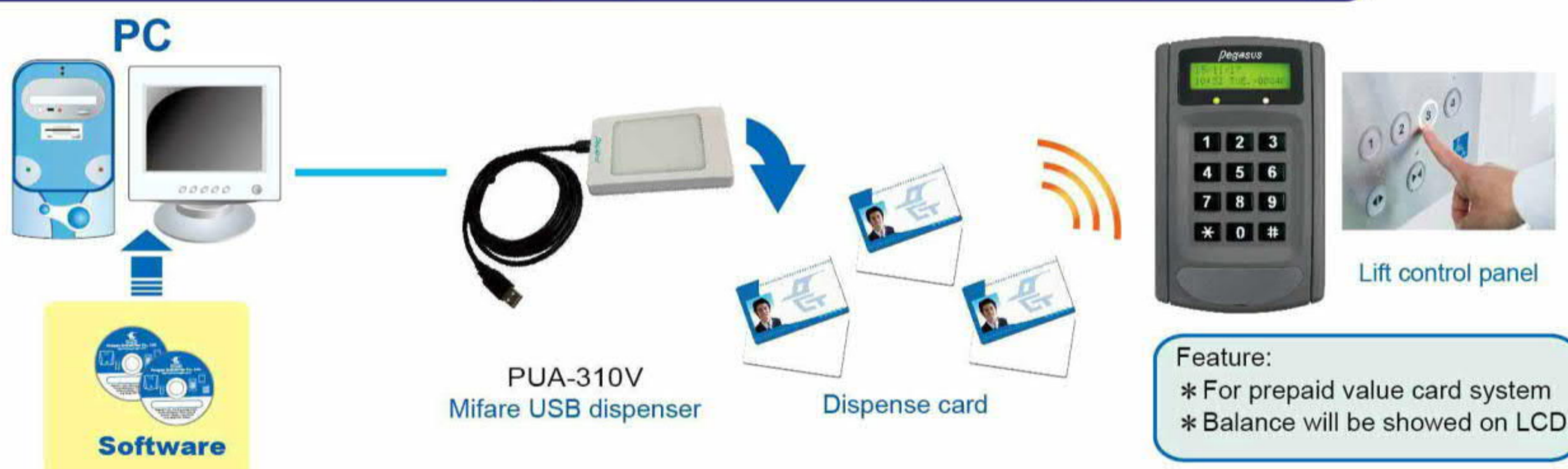

4 Conductor
Stranded/Shielded Cable
UP TO 250' - 22 AWG
UP TO 500' - 20 AWG
UP TO 1000' - 18 AWG

PP-30
External Reader

Electromagnetic Locks

PC

RS-232
(PC COM port)

PC-R245T
RS232/422/485/TTL
Converter

PCT-R2R5
RS-232/RS485
Converter

RS-485

Sercurity Sensor

Wiegand

DDR

HUB

TCP/IP(RJ45)

TCP/IP(RJ45)

PST-ADV-E-ELE
Software

USB port

PCT-UR5
USB/RS485 Converter

RS-485

EXIT

PBT-09
Exit push button

PG-Relay
For Door Driver

Lift access controller system

For more information, please refer to lift access controller system.

PC

RS-232
(PC COM port)

PC-R245T
RS232/422/485/TTL
Converter

PCT-R2R5
RS-232/RS485
Converter

RS-485

HUB

TCP/IP(RJ45)

TCP/IP(RJ45)

PST-ADV-E-ELE
Software

USB port

PCT-UR5
USB/RS485 Converter

RS-485

POM-24
Relay box

Lift control panel

Lift access controller and prepaid value system(Optional)

PC

PUA-310V
Mifare USB dispenser

Dispense card

Lift control panel

Feature:
* For prepaid value card system
* Balance will be showed on LCD

Software

For more information, please refer to lift access controller system.

Ordering information

PP-6750VXNR5 : 125KHz ASK EM controller & reader, 32000 users, 32000 events, RS485
PP-6750VXNR5T3 : 125KHz FSK controller & reader, 32000 users, 32000 events, RS485 & TCP/IP
PP-6750VXM0R5 : 13.56MHz Mifare(UID Serial) controller & reader, 32000 users, 32000 events, RS485
PP-6750VXM0NR5 : 13.56MHz Mifare(UID Serial) & EM controller & reader, 32000 users, 32000 events, RS485
PP-6750VXM1R5 : 13.56MHz Mifare(Customer Key) controller & reader, 32000 users, 32000 events, RS485
PP-6750VXM8R5 : 13.56MHz Mifare(Pegasus Key) controller & reader, 32000 users, 32000 events, RS485
PP-6750VXM3R5 : Access controller & reader, 32000 users, 32000 events, RS485

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

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