

# HUNDURE



## SMARTPHONE IS “ ACCESS KEY ” !

NFC SERIES - Efficiently manage your employees' time and attendance!



## HAMS

### HAMS Access Control Management System

Hundure has decades' professional experiences on serving the access control markets. Its HAMS software combines five main management systems, including access control, attendance, elevator, parking and patrol, which share the same database. It is able to meet all of needs that a company is eager to manage different applications within a single platform. This software is the best choice for enterprises and institutions to upgrade their intelligent management system.

**Access Control Management** : Able set authorizations by door group or department group.

**Time & Attendance Management** : Quickly accrue records to get attendance report or duty on/off reports.

**Elevator Control Management** : Able set floor authorizations and access schedules.

**Parking Control Management** : Able avoid different cars in and out by the same card.

**Patrol Management** : Able set patrol routes and time to ensure security.

Hardware:

Access Control : RAC(HAC)-controller series + PXR- reader series

Time Attendance : HTA-time attendance recorder series

Elevator : HDE-elevator series + MCU-digital output controller+ PXR-reader series

Parking : HDP-parking series + PXR-reader series

Fingerprint / Finger Vein Readers : Hundure Fingerprint / Finger vein controllers and control panels can connect fingerprint /

Finger vein readers as a slave reader or an access point



## HWMS

### HWMS Hundure Web Management System

HWMS is a friendly web-based management system. User can control devices directly from the web and check the history log. Since the server acts as the system core, devices can be controlled directly from the web to perform real-time data collection and it's easy to integrate a wide range of access controllers, time attendance recorders and biometric devices.

Hardware:

Supports specific models of standalone access controllers, multi-door control panels, time attendance recorders and biometric devices.



## HQMS

### HQMS Access Control Management System (SQL Version)

With modular design, HQMS is a smart SQL-based Access Control Management System for access control, elevator and parking lots. It supports multi-lingual operation interfaces, Client/Server architecture, multi-person simultaneous login system, and client-modified data can be promptly responded to controller and reader device. HQMS supports TCP/IP devices and communicates with devices through multiple threads to have maximum efficiency and immediacy.

Hardware:

Supports specific models of standalone access controllers, biometric devices, two door control panel, time attendance recorders and elevator control panel.



## EVS

### EVS Visitor Management System

EVS can be pre-registered by the employee, or it can be registered by the visitor on-site, which simplifies the process of manual review and saves the visitor waiting time. Completely implementing visitor stay controls and access controls that can avoid potential threats and reduce the chance of accidents. When in emergency, you can immediately know visitors who have not left. The visitor data is easily saved, reviewed and analyzed that can be exported as various statistical reports. It is suitable for general companies, member centers, buildings and factories, or even conference registrations.

Hardware:

Supports specific models of access controllers and QR Code reader.



## HEMS

### HEMS-68 Energy Management System

In order to reduce carbon emissions, Hundure develops energy controller ECU-680PM and RLY-66 to meet power saving demands. It is a great solution to save electricity by upgrading system into active power saving system from passive electrical control.

Hardware :

ECU-680 Energy Controller / RLY-66 series relay outputs



## HTMS

### HTMS-86 Time and Attendance Management System

HTMS-86 is a brand new time and attendance management system. It supports proximity and fingerprint type of time and attendance recorders. This system combines time and attendance module for time and attendance application and generates reports; supports TCP/IP and RS-485 communication interfaces; provides English, Traditional Chinese, Simplified Chinese, and supports language translation function for clients who want to translate the software to their own language.

Programmed in Visual studio.net, C# object-oriented program design. Due to different levels of customer, we may provide the most flexible customization to meet their special requests.

Hardware :

HTA-time attendance recorder series

# MISSION STATEMENT

To create a user-friendly, convenient, reliable and safe environment for humans.







To know software supports hardware models, please access to our website  
<http://www.hundure.com> (PRODUCTS/Hardware Support Matrix) or scanning QR Code.





# ACCESS CONTROL

- Single Door Control
- 2 Door Control
- 4 Door Control
- Multi Door Control

| Series                       | Single Door - Access Controller  |   |   | Single Door - Access Controller   | Bluetooth Single Door - Access Controller   | Single Door - LCD Access Controller   |
|------------------------------|--|---|---|---|---|---|
| Image                        | <br>(1) (2) | <br>(1) (2) |  |  |  |  |
| Spec. \ Model No.            | (1) <b>HAC-512</b><br>(2) <b>RAC-520</b>   | (1) <b>RAC-920</b><br>(2) <b>RAC-930</b>  | <b>RAC-A10</b>  | <b>HAC-710</b>  | <b>HAC-A12-BE</b>   | <b>HAC-100</b><br><b>HAC-101<sup>b</sup></b>  |
| Read Format                  | EM / Mifare  | EM / Mifare   | Mifare  | EM / Mifare   | EM / Mifare / Blueooth  | EM / Mifare   |
| Interface (To PC)            | RS-485   | RS-485  | RS-485  | TCP/IP  | RS-485, TCP/IP  | HAC-100: TCP/IP<br>HAC-101: RS-485, TCP/IP  |
| Interface (To Reader)        | HAC-512:T2 / W26<br>RAC-520:T2   | T2  | T2 / W26  | T2 / W26  | T2 / W26  | T2 / W26  |
| Comm. Interface (To CCTV)    | -  | -   | -   | -   | -   | -   |
| Cardholders                  | HAC-512: 5,000<br>RAC-520: 1,024   | 1,024   | 1,024   | 20,000  | 20,000  | 40,000  |
| Transactions                 | HAC-512: 5,000<br>RAC-520: 800   | 800   | 800   | 40,000  | 40,000  | 40,000  |
| Input Ports                  | 3  | 3   | 3   | 3   | 3   | 3   |
| Built-in Relays              | 1  | 1   | 1   | 1   | 2   | 1   |
| Optional Output <sup>1</sup> | ACU-30   | ACU-30  | ACU-30  | ACU-30  | ACU-30  | ACU-30,<br>MCU-0016 (HAC-101)   |
| RTC                          | V  | V   | V   | V   | V   | V   |
| Time Zones / Time Schedules  | -  | -   | -   | 128 / 128   | 128 / 128   | 256   |
| Holiday Schedules            | -  | -   | -   | 100 days / Group<br>(2 Groups)  | 100 days / Group<br>(2 Groups)  | 100 days / Group<br>(2 Groups)  |
| Unlock Door Time Schedules   | -  | -   | -   | V   | V   | V   |
| Ingress protection           | -  | IP65  | -   | IP65 <sup>a</sup>   | -   | -   |
| Power Input                  | DC12V / 1A   | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  |
| Operating Temperature        | -10°C ~ 70°C /<br>14°F ~ 158°F   | -10°C ~ 70°C /<br>14°F ~ 158°F  | -20°C ~ 70°C /<br>-4°F ~ 158°F  | -40°C ~ 70°C /<br>-40°F ~ 158°F   | -20°C ~ 70°C /<br>-4°F ~ 158°F  | -10°C ~ 70°C /<br>14°F ~ 158°F  |
| Relative Humidity            | 20% ~ 80% (Non-condensing)   |   |   | 20% ~ 80% (Non-condensing)  |   |   |
| Dimensions (LxWxH / mm)      | HAC-512:112 x 77 x 21<br>RAC-520:120 x 76 x 23   | 120 x 77 x 22   | 120 x 80 x 27   | 130 x 45 x 25   | 120 x 80 x 27   | 140 x 100 x 31  |

<sup>1</sup> ACU-30 is an optional item with 2 relays; MCU-0016 is an external item to expand output ports.

<sup>a</sup> For HAC-710PE-WR, HAC-710PM-WR models only.

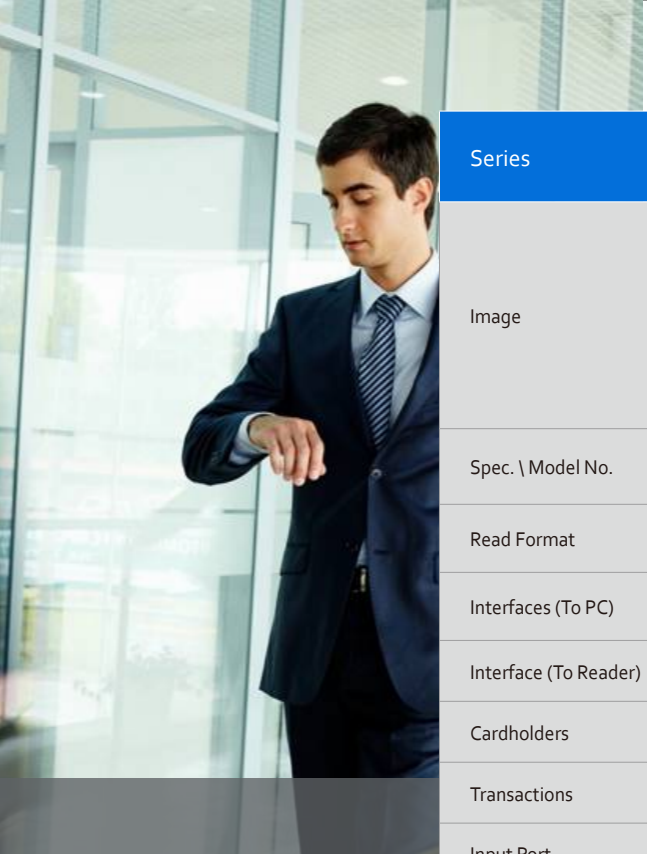
<sup>b</sup> HAC-101 also supports the elevator control.

| Series                       | Single Door - LCD Access Controller   |  |  | 2 Door Control Panel  | 4 Door Control Panel  | Web-based 4 Door Control Panel  | 4/8/16 Door Control Panel   |
|------------------------------|---|--|--|---|---|---|---|
| Image                        |  | <br>(1) (2) |  |  |  |  |  |
| Spec. \ Model No.            | <b>RAC-940</b>  | (1) <b>RAC-960</b><br>(2) <b>RAC-970</b>   | <b>RAC-971</b>   | <b>RAC-2000WS</b><br><b>RAC-2000WSN</b>   | <b>RAC-4600</b><br><b>RAC-4600N / 8M</b>  | <b>HAC-4200N</b>  | <b>RAC-2400</b><br><b>RAC-2400N</b>   |
| Read Format                  | EM / Mifare   | EM / Mifare  | EM / Mifare / NFC <sup>c</sup>   | -   | -   | -   | -   |
| Interface (To PC)            | RS-232 / 485  | RS-485, TCP/IP   | RS-485, TCP/IP   | RAC-2000WS:RS-485<br>RAC-2000WSN:TCP/IP   | RAC-4600:RS-485<br>RAC-4600N:TCP/IP   | TCP/IP  | RAC-2400:RS-485<br>RAC-2400N:TCP/IP   |
| Interface (To Reader)        | T2 / W26  | T2 / W26   | T2 / W26   | T2 / Wiegand / RS-485 / OSDP <sup>d</sup>   | T2 / Wiegand / RS-485   | T2 / Wiegand / RS-485   | RS-485 (L-Type)   |
| Comm. Interface (To CCTV)    | RS-485  | RS-485   | RS-485   | -   | -   | -   | -   |
| Cardholders                  | 10,000  | 40,000   | 40,000   | 15,000  | 40,000 / 100,000 (8M)   | 100,000   | 30,000  |
| Transactions                 | 10,000  | 100,000  | 100,000  | 40,000  | 100,000 / 200,000 (8M)  | 100,000   | 80,000  |
| Input Ports                  | 3   | 3  | 3  | 8   | 9   | 9   | 2   |
| Built-in Relays              | 1   | 1  | 1  | 4   | 8   | 8   | 1   |
| Optional Output <sup>2</sup> | ACU-30  | ACU-30   | ACU-30   | -   | -   | -   | ACU-100   |
| RTC                          | V   | V  | V  | V   | V   | V   | V   |
| Time Zones / Time Schedules  | 16 / 16   | 128 / 128  | 128 / 128  | 128 / 128   | 256 / 256   | 256 / 256   | 256 / 256   |
| Holiday Schedules            | 64 days / Group<br>(2 Groups)   | 100 days / Group<br>(2 Groups)   | 100 days / Group<br>(2 Groups)   | 100 days / Group<br>(2 Groups)  | 100 days / Group<br>(2 Groups)  | 100 days / Group<br>(2 Groups)  | 100 days / Group<br>(64 Groups)   |
| Unlock Door Time Schedules   | V   | V  | V  | V   | V   | V   | V   |
| Ingress protection           | IP65  | IP65   | IP65   | -   | -   | -   | -   |
| Power Input                  | DC12V / 1A  | DC12V / 1A   | DC12V / 1A   | DC12V / 1A  | DC12V / 1A  | DC12V/1A  | DC12V / 1A  |
| Operating Temperature        | 0°C ~ 55°C /<br>32°F ~ 131°F  | 0°C ~ 55°C /<br>32°F ~ 131°F   | -10°C ~ 70°C /<br>14°F ~ 158°F   | -40°C ~ 70°C /<br>-40°F ~ 158°F   | -40°C ~ 70°C /<br>-40°F ~ 158°F   | -40°C ~ 70°C /<br>-40°F ~ 158°F   | -10°C ~ 55°C /<br>14°F ~ 131°F  |
| Relative Humidity            | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)  | 20% ~ 80%<br>(Non-condensing)  | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   |
| Dimensions (LxWxH / mm)      | 130 x 100 x 27  | 130 x 100 x 27   | 130 x 100 x 27   | 150 x 210 x 29  | 150 x 210 x 40  | 150 x 210 x 29  | 150 x 210 x 29  |

<sup>2</sup> ACU-30 is an optional item with 2 relays; ACU-100 is an optional single door panel for interfacing with T2/Wiegand Reader.



<sup>c</sup> For RAC-971PM Mifare model only; need to work with Android APP.

<sup>d</sup> For RAC-2000WS-OSP, RAC-2000WSN-OSP OSDP models only.









# TIME ATTENDANCE

- DIY Type Time Attendance
- LCD Time Attendance

| Series                            | DIY Type Time Attendance Recorder   |   | LCD Time Attendance Recorder  |   |   |
|-----------------------------------|---|---|---|---|---|
| Image                             |  |  |  |  |  |
| Spec. \ Model No.                 | <b>HTA-830</b><br><b>HTA-830-Y</b>  | <b>HTA-840</b>  | <b>HTA-850</b>  | (1) <b>HTA-860</b><br>(2) <b>HTA-870</b>  | <b>HTA-871</b>  |
| Read Format                       | HTA-830 : EM / Mifare<br>HTA-830-Y : Mifare                                       | EM / Mifare   | EM / Mifare   | EM / Mifare   | EM / Mifare / NFC <sup>e</sup>  |
| Interfaces (To PC)                | HTA-830 : TCP/IP<br>HTA-830-Y : Wi-Fi   | TCP/IP (PoE)  | TCP/IP  | RS-485, TCP/IP  | RS-485, TCP/IP  |
| Interface (To Reader)             | -   | -   | T2 / W26  | T2 / W26  | T2 / W26  |
| Cardholders                       | 15,000  | 15,000  | 15,000  | 22,000  | 22,000  |
| Transactions                      | 40,000  | 40,000  | 150,000   | 150,000   | 150,000   |
| Input Port                        | -   | -   | 1 (Exit Button)   | 1 (Exit Button)   | 3 (Exit Button x 1, Spare x 2)  |
| Built-in Relay                    | 1   | 1   | -   | 1   | 1   |
| Optional Output <sup>3</sup>      | -   | -   | ACU-30  | ACU-30  | ACU-30  |
| RTC                               | V   | V   | V   | V   | V   |
| Duty Timetables / Siren Schedules | 16 / 32   | 16 / 32   | 32 / 32   | 32 / 32   | 32 / 32   |
| ISP Function                      | V   | V   | V   | V   | V   |
| Ingress Protection                | -   | -   | -   | IP65  | -   |
| Power Input                       | DC12V / 1A  | PoE (Hub)   | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  |
| Dimensions (LxWxH / mm)           | 160 x 100 x 40 (Without base)   |   | 142 x 200 x 38  | 130 x 100 x 27  | 130 x 100 x 27  |

<sup>3</sup> ACU-30 is an optional item with 2 relays.  
<sup>e</sup> For HTA-871PM Mifare model only; need to work with Android APP.



| Series                       | Elevator Control Panel  |   |   |   | Parking Control Panel   | Energy Controller   |
|------------------------------|---|---|---|---|---|---|
| Image                        |  |  |  |  |  |  |
| Spec. \ Model No.            | <b>HDE-120</b>  | <b>HDE-100WS</b>  | <b>HDE-200</b>  | <b>HDE-200N</b>   | <b>HDP-100WS</b>  | <b>ECU-680</b>  |
| Read Format                  | -   | -   | -   | -   | -   | Mifare  |
| Interface (To PC)            | TCP/IP & RS-485   | RS-232 / RS-485   | RS-485  | TCP/IP  | RS-485  | RS-485  |
| Interface (To Reader)        | Wiegand / RS-485  | T2 / Wiegand / RS-485   | RS-485 (L-Type)   | RS-485 (L-Type)   | T2 / Wiegand / RS-485   | -   |
| Cardholders                  | 100,000   | 5,000   | 30,000  | 60,000  | 10,000  | 1,024   |
| Transactions                 | 30,000  | 6,000   | 100,000   | 100,000   | 5,000   | 800   |
| Input Ports                  | 3   | 3   | 2   | 1   | 8   | 1   |
| Built-in Relays              | 3 + 32<br>(for 32 floor control)  | 4   | 1   | -   | 4   | -   |
| Optional Output <sup>4</sup> | MCU-0016  | MCU-0016  | MCU-0016  | MCU-0016  | -   | RLY-66 series   |
| Elevator Control (max.)      | 96 floors   | 64 floors   | 160 floors  | 160 floors  | -   | -   |
| RTC                          | √   | √   | √   | √   | √   | √   |
| Time Zones / Time Schedules  | 256 / 256   | 256 / 128   | 254 / 254   | 254 / 254   | 128 / 128   | 8 / 8   |
| Holiday Schedules            | 100 days / Group (2 Groups)   | 100 days / Group (2 Groups)   | 100 days / Group (64 Groups)  | 100 days / Group (64 Groups)  | 100 days / Group (2 Groups)   | Unrestricted time schedules x 4   |
| ISP Function                 | √   | √   | √   | √   | √   | √   |
| Power Input                  | DC 12V/2.5A   | DC12V/1A  | DC12V/1A  | DC12V/1A  | DC12V/1A  | DC12V/1A  |
| Operating Temperature        | -40°C ~ 70°C / -40°F ~ 158°F  |   | -10°C ~ 55°C / 14°F ~ 131°F   |   | -40°C ~ 70°C / -40°F ~ 158°F  | -10°C ~ 70°C / 14°F ~ 158°F   |
| Dimensions (LxWxH / mm)      | 150 X 245 X 33  | 150 x 210 x 29  | 150 x 210 x 29  | 150 x 210 x 29  | 150 x 210 x 29  | 86 x 86 x 27  |

## APPLICATIONS


- Elevator
- Parking
- Power Saving

<sup>4</sup> MCU-0016 and RLY-66 series are external items to expand output ports.



# BIOMETRIC AUTHENTICATION

- Finger Vein
- Fingerprint
- Face

| Series                       | Single Door-Access Controller   |   | Reader  |
|------------------------------|---|---|---|
| Image                        |  |  |  |
| Spec. \ Model No.            | <b>RAC-820FV</b>  | <b>RAC-852FV</b>  | <b>PXR-82FV</b>   |
| Biometrics                   | Finger Vein   | Finger Vein   | Finger Vein   |
| User / Capacity              | 6,000 users<br>(12,000 finger vein templates)                                       | 6,000 users<br>(12,000 finger vein templates)                                       | 6,000 users<br>(12,000 finger vein templates)                                       |
| Read Format                  | Mifare  | EM / Mifare   | Mifare  |
| Interface (To PC)            | TCP/IP  | RS-485, TCP/IP  | W26/RS-485 (To controller);<br>TCP/IP (finger vein)                                 |
| Interface (To Reader)        | T2 / W26  | T2 / W26  | -   |
| Interface (To CCTV)          | -   | RS-485  | -   |
| Cardholders                  | 18,000  | 18,000  | -   |
| Transactions                 | 150,000   | 150,000   | -   |
| Input Port                   | 3 (Case Sensor,<br>Exit Button, Door Sensor)  | 3 (Case Sensor,<br>Exit Button, Door Sensor)  | 1 (Case Sensor)   |
| Built-in Relay               | 1   | 1   | -   |
| Optional Output <sup>5</sup> | ACU-30  | ACU-30  | -   |
| RTC                          | V   | V   | -   |
| Time Zones / Time Schedules  | 128 / 128   | 128 / 128   | -   |
| Holiday Schedules            | 100 days / Group (2 Groups)   | 100 days / Group (2 Groups)   | -   |
| Unlock Door Time Schedules   | V   | V   | -   |
| Power Input                  | DC12V/1.5A  | DC12V/1.5A  | DC12V/1.5A  |
| Dimensions (LxWxH / mm)      | 135 x 75 x 91   | 142 x 200 x 91  | 135 x 75 x 91   |

<sup>5</sup> ACU-30 is an optional item with 2 relays

<sup>6</sup> ACU-30 is an optional item with 2 relays

<sup>f</sup> Only HAC-710PEF-WR and HAC-710PMF-WR models support IP65 ingress protection.

<sup>g</sup> For RAC-971PMF Mifare model only; need to work with Android APP.



| Series                       | Single Door-Access Controller  |   |   |   |   | Reader   |
|------------------------------|--|---|---|---|---|--|
| Image                        | <br>(1) (2) |  |  |  |  | <br>(1) (2) |
| Spec. \ Model No.            | (1) <b>RAC-810F</b><br>(2) <b>RAC-820F</b>   | <b>HAC-710F<sup>f</sup></b>   | <b>RAC-960F</b>   | <b>RAC-970F</b>   | <b>RAC-971F</b>   | (1) <b>PXR-81F</b><br>(2) <b>PXR-82F</b>   |
| Biometrics                   | Fingerprint  | Fingerprint   | Fingerprint   | Fingerprint   | Fingerprint   | Fingerprint  |
| User / Capacity              | 950 users / 1,900 templates or 4,750 users / 9,500 templates (option)                        |   |   |   |   |  |
| Read Format                  | RAC-810F: Mifare<br>RAC-820F: EM / Mifare  | EM / Mifare   | EM / Mifare   | EM / Mifare   | EM / Mifare / NFC <sup>9</sup>  | PXR-81F: Mifare<br>PXR-82F: EM / Mifare  |
| Interface (To PC)            | TCP/IP   | TCP/IP  | RS-485, TCP/IP  | RS-485, TCP/IP  | RS-485, TCP/IP  | W26 / RS-485 (To controller);<br>TCP/IP (fingerprint data)                                     |
| Interface (To Reader)        | T2 / W26   | T2 / W26  | T2 / W26  | T2 / W26  | T2 / W26  | -  |
| Interface (To CCTV)          | -  | -   | RS-485  | RS-485  | RS-485  | -  |
| Cardholders                  | 18,000   | 20,000  | 40,000  | 40,000  | 40,000  | -  |
| Transactions                 | 150,000  | 40,000  | 100,000   | 100,000   | 100,000   | -  |
| Input Port                   | 3 (Case Sensor,<br>Exit Button, Door Sensor)   | 3 (Case Sensor,<br>Exit Button, Door Sensor)                                      | 3 (Case Sensor,<br>Exit Button, Door Sensor)  | 3 (Case Sensor,<br>Exit Button, Door Sensor)  | 3 (Case Sensor,<br>Exit Button, Door Sensor)  | 1 (Case Sensor)  |
| Built-in Relay               | 1  | 1   | 1   | 1   | 1   | -  |
| Optional Output <sup>6</sup> | ACU-30   | ACU-30  | ACU-30  | ACU-30  | ACU-30  | -  |
| RTC                          | V  | V   | V   | V   | V   | -  |
| Time Zones / Schedules       | 128 / 128  | 128 / 128   | 128 / 128   | 128 / 128   | 128 / 128   | -  |
| Holiday Schedules            | 100 days / Group (2 Groups)  | 100 days / Group (2 Groups)   | 100 days / Group (2 Groups)   | 100 days / Group (2 Groups)   | 100 days / Group (2 Groups)   | -  |
| Unlock Door Time Schedules   | V  | V   | V   | V   | V   | -  |
| Power Input                  | DC12V / 1A   | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  | DC12V / 1A   |
| Dimensions (LxWxH / mm)      | RAC-810F: 141 x 75 x 49<br>RAC-820F: 135 x 75 x 41   | 219 x 49 x 47   | 140 x 130 x 41  | 140 x 130 x 41  | 140 x 130 x 41  | PXR-81F: 141 x 75 x 49<br>PXR-82F: 135 x 75 x 41   |

| Series                            | Time & Attendance Recorder   |   |   |   |   | Facial Recognition Access Controller  |
|-----------------------------------|--|---|---|---|---|---|
| Image                             |                   |  |  |  |  |  |
| Spec. \ Model No.                 | <b>HTA-502F-N (-Y, -V, -NB)</b>  | <b>HTA-852F</b>   | <b>HTA-860F</b>   | <b>HTA-870F</b>   | <b>HTA-871F</b>   | <b>RAC-850FA</b>  |
| Biometrics                        | Fingerprint  | Fingerprint   | Fingerprint   | Fingerprint   | Fingerprint   | Face  |
| User / Capacity                   | 1,500 users / 3,000 templates  | 950 users / 1,900 templates or 4,750 users / 9,500 templates (option)             | 950 users / 1,900 templates or 4,750 users / 9,500 templates (option)               | 950 users / 1,900 templates or 4,750 users / 9,500 templates (option)               | 950 users / 1,900 templates or 4,750 users / 9,500 templates (option)               | 10,000 users / 10,000 templates   |
| Read Format                       | EM / Mifare  | EM / Mifare   | EM / Mifare   | EM / Mifare   | EM / Mifare / NFC <sup>i</sup>  | EM / Mifare   |
| Interface (To PC)                 | N : TCP/IP ; Y : Wj-Fi ; V : TCP/IP PoE <sup>h</sup> ; NB : TCP/IP & Battery, USB Slave / USB Host | TCP/IP  | RS-485, TCP/IP  | RS-485, TCP/IP  | RS-485, TCP/IP  | RS-485, TCP/IP  |
| Interface (To Reader)             | -  | T2 / W26  | T2 / W26  | T2 / W26  | T2 / W26  | T2 / W26  |
| Interface (To CCTV)               | -  | RS-232 / 485  | RS-485  | RS-485  | RS-485  | RS-485  |
| Cardholders                       | 3,000  | 15,000  | 22,000  | 22,000  | 22,000  | 18,000  |
| Transactions                      | 100,000  | 150,000   | 150,000   | 150,000   | 150,000   | 150,000   |
| Input Port                        | 1 (Exit Button)  | 1 (Exit Button)   | 1 (Exit Button)   | 1 (Exit Button)   | 3 (Exit Button x 1, Spare x 2)  | 3 (Case Sensor, Exit Button, Door Sensor)   |
| Built-in Relay                    | 1  | -   | 1   | 1   | 1   | 1   |
| Optional Output <sup>7</sup>      | ACU-30   | ACU-30  | ACU-30  | ACU-30  | ACU-30  | ACU-30  |
| RTC                               | V  | V   | V   | V   | V   | V   |
| Duty Timetables / Siren Schedules | 32 / 32  | 32 / 32   | 32 / 32   | 32 / 32   | 32 / 32   | 32 / 32   |
| Power Input                       | DC5V / 1A, PoE <sup>h</sup>  | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  | DC12V / 1.5A  |
| Dimensions (LxWxH / mm)           | 160 x 134 x 34   | 142 x 200 x 38  | 140 x 130 x 41  | 140 x 130 x 41  | 140 x 130 x 41  | 142 x 200 x 38  |

<sup>7</sup> ACU-30 is an optional item with 2 relays.

<sup>h</sup> The power input of PoE model (HTA-502F-V) is powered from PoE Hub.

<sup>i</sup> For HTA-871PMF Mifare model only, need to work with Android APP.



| Series                  |                              | Glass Faceplate Proximity Reader                |   |  |                                 |                               |
|-------------------------|------------------------------|---|---|--|---------------------------------|-------------------------------|
| Image                   |                              |   |   |  |                                 |                               |
| Spec. \ Model No.       |                              | <b>PXR-10</b><br><b>PXR-10K</b>                 | <b>PXR-12</b><br><b>PXR-12K</b>                 | <b>PXR-13</b><br><b>PXR-13K</b>        | <b>PXR-14</b><br><b>PXR-14K</b> | <b>PXR-14K-D</b>              |
| Read Format             |                              | EM / Mifare                                     | EM / Mifare                                     | EM / Mifare                            | Mifare                          | Mifare                        |
| Reader Interface        |                              | PXR-10: W, S(M)<br>PXR-10EK: W<br>PXR-10MK: W&S | PXR-12: T, W, S(M), L(M)<br>PXR-12K: T, W, S(M) | PXR-13: W, S(M)<br>PXR-13K: T, W, S(M) | PXR-14: W, S<br>PXR-14K: W&S    | W&S                           |
| Keypad                  |                              | PXR-10K   | PXR-12K   | PXR-13K                                | PXR-14K                         | V                             |
| Keypad Input Ports      | Non-L-Type                   | 1 (Case Sensor)                                 | 1 (Case Sensor)                                 | 1 (Case Sensor)                        | 1 (Case Sensor)                 | 1 (Case Sensor)               |
|                         | L-Type                       | -   | -   | -                                      | -                               | -                             |
| Output Ports (L-TYPE)   | Built-in Relay               | -   | -   | -                                      | -                               | -                             |
|                         | Optional Output <sup>8</sup> | -   | ACU-30  | -                                      | -                               | -                             |
| Ingress protection      |                              | -   | -   | -                                      | -                               | -                             |
| Power Input             |                              | DC12V / 1A                                      | DC12V / 1A                                      | DC12V / 1A                             | DC12V / 1A                      | DC12V / 1A                    |
| Operating Temperature   |                              | -20°C~ 70°C /<br>-4°F~ 158°F                    | -20°C~ 70°C /<br>-4°F~ 158°F                    | -20°C~ 70°C /<br>-4°F~ 158°F           | -20°C~ 70°C /<br>-4°F~ 158°F    | -20°C~ 70°C /<br>-4°F~ 158°F  |
| Relative Humidity       |                              | 20% ~ 80%<br>(Non-condensing)                   | 20% ~ 80%<br>(Non-condensing)                   | 20% ~ 80%<br>(Non-condensing)          | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing) |
| Dimensions (LxWxH / mm) |                              | <sup>j</sup> 86 x 86 x 24                       | <sup>k</sup> 120 x 75 x 24                      | <sup>k</sup> 120 x 75 x 24             | <sup>L</sup> 120 x 88 x 24      | <sup>L</sup> 120 x 88 x 24    |
| Case Color              |                              | BL  | BL, WH  | BL                                     | BL                              | BL                            |

# READER

- Glass Faceplate Reader
- Waterproof Reader
- Bluetooth Reader
- Proximity Reader
- LCD Proximity Reader
- QR Code Reader
- Vandal-Resistant Reader
- Scramble Keypad Reader

※ Reader Interfaces T:T2, T(E) : T2 (EM) W:Wiegand, W(E) : Wiegand (EM) S:RS-485, S(M) : RS-485 (Mifare) L:L-Type, L(M):L-Type(Mifare)  
 ※ Case Color BL: Black, DG: Dark Grey, SG: Dark Grey & Silver, GO: Metallic Gold, SV: Silver, E: Metallic Silver, WH: White

<sup>8</sup> ACU-30 is an optional item with 2 relays.

<sup>j</sup> Compatible with 86 Type Back Box (Faceplate Size: 86 x 86 x 13 (mm); Backside Box Size: 65 x 58 x 24 (mm)).

<sup>k</sup> Compatible with 120 Type Back Box (Faceplate Size: 120 x 75 x 13 (mm); Backside Box Size: 70 x 42 x 24 (mm)).

<sup>L</sup> Compatible with 86 Type Back Box (Faceplate Size: 122 x 88 x 13 (mm); Backside Box Size: 65 x 58 x 24 (mm)).

| Series                  |                              | IP66 Waterproof   | Proximity Reader  |   |   | Proximity Reader  |   |
|-------------------------|------------------------------|---|---|---|---|---|---|
| Image                   |                              |  |  |  |  |  |  |
| Spec. \ Model No.       |                              | <b>PXR-A1-WR</b>  | <b>PXR-50</b>   | <b>PXR-51<br/>PXR-51K</b>   | <b>PXR-52<br/>PXR-52K</b>   | <b>PXR-A1<br/>PXR-A1K</b>   | <b>PXR-62</b>   |
| Read Format             |                              | EM / Mifare   | EM / Mifare   | EM / Mifare   | EM / Mifare   | Mifare  | EM / Mifare   |
| Reader Interface        |                              | W&S   | T(E), W(E), S(M)  | W, S(M)   | T, W, S, L  | W, S  | T, W, S, L  |
| Keypad                  |                              | -   | -   | PXR-51K   | PXR-52K   | PXR-A1K   | -   |
| Keypad Input Ports      | Non-L-Type                   | 1 (Case Sensor)   | 1 (Case Sensor)   | 1 (Case Sensor)   | 1 (Case Sensor)   | 1 (Case Sensor)   | 1 (Case Sensor)   |
|                         | L-Type                       | -   | -   | -   | 3 (Case Sensor, Exit Button, Door Sensor)   | -   | 3 (Case Sensor, Exit Button, Door Sensor)   |
| Output Ports (L-TYPE)   | Built-in Relay               | -   | -   | -   | 1 relay for lock  | -   | 1 relay for lock  |
|                         | Optional Output <sup>9</sup> | -   | -   | -   | ACU-30  | -   | ACU-30  |
| Ingress protection      |                              | IP66  | -   | -   | -   | -   | -   |
| Power Input             |                              | DC12V / 1A  | DC12V / 1A  | DC12V / 1 A   | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  |
| Operating Temperature   |                              | -20°C~ 70°C /<br>-4°F~ 158°F  | -10°C ~ 70°C /<br>14°F ~ 158°F  | -20°C~ 70°C /<br>-4°F~ 158°F  | -10°C ~ 70°C /<br>14°F ~ 158°F  | -20°C~ 70°C /<br>-4°F~ 158°F  | -10°C ~ 70°C /<br>14°F ~ 158°F  |
| Relative Humidity       |                              | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   |
| Dimensions (LxWxH / mm) |                              | 120 x 80 x 27   | 95 x 44 x 16  | 112 x 77 x 21   | 120 x 76 x 23   | 120 x 80 x 27   | 120 x 76 x 27   |
| Case Color              |                              | BL  | BL  | BL  | DG  | BL  | DG, SG  |







<sup>9</sup> ACU-30 is an optional item with 2 relays

| Series                  |                               | Low Profile Reader  | Proximity Reader   |   |   |   | LCD Proximity Reader   |
|-------------------------|-------------------------------|---|--|---|---|---|--|
| Image                   |                               |  | <br>(1) (2) |  |  |  | <br>(1) (2) |
| Spec. \ Model No.       |                               | <b>PXR-10-THN</b><br><b>PXR-10K-THN</b>   | (1) <b>PXR-66</b><br>(2) <b>PXR-68</b>   | <b>PXR-70*</b>  | <b>PXR-92</b><br><b>PXR-92K</b>   | <b>PXR-93</b><br><b>PXR-93K</b>   | (1) <b>PXR-94K</b><br>(2) <b>PXR-97K</b>   |
| Read Format             |                               | EM / Mifare   | PXR-66: Mifare<br>PXR-68: Card Slot  | EM / Mifare   | EM / Mifare   | EM / Mifare   | EM / Mifare  |
| Reader Interface        |                               | T, W  | PXR-66: S, L<br>PXR-68: L  | T, W, S, L  | T, W, S, L, OSDP <sup>m</sup>   | T, W, S, L  | PXR-94: S, L<br>PXR-97: L(M)   |
| Keypad                  |                               | PXR-10K-THN   | -  | -   | PXR-92K   | PXR-93K   | V  |
| Keypad Input Ports      | Non-L-Type                    | 4 (Case Sensor x 1, LED Control x 2, Buzzer x 1)                                  | -  | 1 (Case Sensor)   | 1 (Case Sensor)   | 1 (Case Sensor)   | 1 (Case Sensor)  |
|                         | L-Type                        | -   | PXR-66: 2<br>(Exit Button, Door Sensor)<br>PXR-68: none                                      | 3 (Case Sensor,<br>Exit Button, Door Sensor)  | 3 (Case Sensor,<br>Exit Button, Door Sensor)  | 3 (Case Sensor,<br>Exit Button, Door Sensor)  | 3 (Case Sensor,<br>Exit Button, Door Sensor)   |
| Output Ports (L-TYPE)   | Built-in Relay                | -   | PXR-66: 1 relay for lock<br>PXR-68: none   | 1 relay for lock  | 1 relay for lock or doorbell  | 1 relay for lock or doorbell  | 1 relay for lock or doorbell   |
|                         | Optional Output <sup>10</sup> | -   | PXR-66: ACU-30<br>PXR-68: RLY-66 series  | ACU-30  | ACU-30  | ACU-30  | ACU-30   |
| Ingress protection      |                               | IP65  | -  | -   | IP65  | IP65  | IP65   |
| Power Input             |                               | DC12V / 1A  | DC12V / 1A   | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  | DC12V / 1A   |
| Operating Temperature   |                               | -20°C ~ 70°C /<br>-4°F ~ 158°F  | -10°C ~ 55°C /<br>14°F ~ 131°F   | -10°C ~ 55°C /<br>14°F ~ 131°F  | -10°C ~ 55°C /<br>14°F ~ 131°F  | -10°C ~ 55°C /<br>14°F ~ 131°F  | 0°C ~ 55°C /<br>32°F ~ 131°F   |
| Relative Humidity       |                               | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)  | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)  |
| Dimensions (LxWxH / mm) |                               | 86 x 86 x 15  | 86 x 86 x 28   | 146 x 42 x 24   | 120 x 77 x 22   | 120 x 77 x 22   | 130 x 100 x 27   |
| Case Color              |                               | BL  | PXR-66: DG, SG<br>PXR-68: DG, SB   | GO  | BL  | SV  | PXR-94: BL<br>PXR-97: SV   |

<sup>10</sup> ACU-30 is an optional item with 2 relays ; RLY-66 has built-in high current load relay(s).

<sup>m</sup> For PXR-92ES-OSP, PXR-92ESK-OSP models only.

\* Metal case.

| Series                  |                               | Proximity Reader  | Bluetooth Reader  | QR Code Reader  |   | Vandal-Resistant Reader   | Scramble Keypad Reader  |
|-------------------------|-------------------------------|---|---|---|---|---|---|
| Image                   |                               |  |  |  |  |  |  |
| Spec. \ Model No.       |                               | <b>PXR-71</b><br><b>PXR-71K</b>   | <b>PXR-92-BE</b>  | (1) <b>PXR-Q1</b><br>(2) <b>PXR-Q2</b>  | <b>PXR-Q3</b>   | <b>PXR-K1</b>   | <b>PXR-RN</b>   |
| Read Format             |                               | EM / Mifare   | Mifare / Bluetooth / NFC  | EM (PXR-Q1) / Mifare / QR Code  | Mifare / QR Code  | Mifare  | EM / Mifare   |
| Reader interface        |                               | W, S  | W&S, L  | PXR-Q1: W&S, L<br>PXR-Q2: L   | W&S   | W&S   | W&S   |
| Keypad                  |                               |   | -   | -   | -   | V   | V (Scramble)  |
| Input Ports             | Non-L-Type                    | 1 (Case Sensor)   | 1 (Case Sensor)   | 1 (Case Sensor)   | -   | 1 (Case Sensor)   | 1 (Case Sensor)   |
|                         | L-Type                        | -   | 3 (Case Sensor, Exit Button, Door Sensor)   | 3 (Case Sensor, Exit Button, Door Sensor)   | -   | -   | -   |
| Output Ports (L-Type)   | Built-in Relay                | -   | 1 relay for lock  | 1 relay for lock  | -   | -   | -   |
|                         | Optional Output <sup>11</sup> | -   | ACU-30  | ACU-30/90   | -   | -   | -   |
| Ingress protection      |                               | IP65 <sup>n</sup>   | IP65  | -   | -   | IP65, IK08  | -   |
| Power Input             |                               | DC12V / 1A  | DC12V / 1 A   | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  | DC12V / 1A  |
| Operating Temperature   |                               | -40°C ~ 70°C /<br>-40°F ~ 158°F   | -10°C ~ 70°C /<br>14°F ~ 158°F  | -20°C ~ 70°C /<br>-4°F ~ 158°F  | -20°C ~ 70°C /<br>-4°F ~ 158°F  | -20°C ~ 70°C /<br>-4°F ~ 158°F  | -20°C ~ 70°C /<br>-4°F ~ 158°F  |
| Relative Humidity       |                               | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   | 20% ~ 80%<br>(Non-condensing)   |
| Dimensions (LxWxH / mm) |                               | 130 x 45 x 25   | 120 x 77 x 22   | PXR-Q1 : 86 x 86 x 24 <sup>o</sup><br>PXR-Q2 : 120 x 75 x 24 <sup>p</sup>           | <sup>q</sup> Front: 86 x 86 x 39<br>Side: 69 x 66 x 39                              | 122 x 88 x 27   | 122 x 88 x 28   |
| Case Color              |                               | DG  | BL  | BL  | BL  | DG  | BL  |



<sup>11</sup> ACU-30/ACU-90 is an optional item with 2 relays.

<sup>n</sup> For PXR-71-WR, PXR-71K-WR models only.










<sup>o</sup> Compatible with 86 Type Back Box (Faceplate Size: 86 x 86 x 13 (mm); Backside Box Size: 65 x 58 x 24 (mm)).

<sup>p</sup> Compatible with 120 Type Back Box (Faceplate Size: 120 x 75 x 13 (mm); Backside Box Size: 65 x 58 x 24 (mm)).

<sup>q</sup> Compatible with 86 Type Back Box.

| Series      | Digital I/O Control Panel   |   |   | Energy Saving Relays  | Single Door Panel   | Alarm   | Cards   |   | Key Fob   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|
| Image       |  |  |  |  |  |  |  |  |  |  |
| Model No.   | <b>MCU-0008</b>   | <b>MCU-0016</b>   | <b>ACU-30</b>   | <b>RLY-66 Series</b>  | <b>ACU-100</b>  | <b>LD-95LS</b>  | <b>EM Card</b>  | <b>Mifare Card</b>  | <b>EM</b>   | <b>Mifare</b>   |
| Description | 8 Relays  | 16 Relays   | 2 Relays  | 1, 2 Relays   | 4 Inputs , 2 Relays   | DC 10 ~ 14V   | 125KHz  | 13.56MHz  | 125KHz  | 13.56MHz  |

| Series      | Electromagnetic Locks   |   |   | Electric Strike  |   | Electric Bolt   | Contactless Exit Switch   |   |
|-------------|---|---|---|--|---|---|---|---|
| Image       |  |  |  |  |  |  |  |  |
| Model No.   | <b>MDL-300H</b>   | <b>MDL-100S</b>   | <b>MDL-200S</b>   | <b>ESL-100</b>   | <b>ESL-200</b>  | <b>EBL-100</b>  | <b>HPB-10A</b>  | <b>HPB-10E</b>  |
| Description | 300 LB  | 600 LB  | 1200 LB   | Iron   | Stainless Steel   | Aluminum  | 120 Back Box  | 86 Back Box   |

| Series      | Comm. Converter   |   |   |  | Mifare / EM Encoder   |   | Finger Vein / Fingerprint Enroller  |   | Power Supply  |
|-------------|---|---|---|--|---|---|---|---|---|
| Image       |  |  |  |  |  |  |  |  |  |
| Model No.   | <b>EPC-409</b>  | <b>EPC-408io</b>  | <b>EPC-408</b>  | <b>EPC-406</b>   | <b>IM-1100U</b>   | <b>IE-1000</b>  | <b>FV-100</b>   | <b>FM-800</b>   | <b>PSU-330</b>  |
| Description | TCP/IP ↔ 232/485  | TCP/IP ↔ 485  | TCP/IP ↔ 422/485  | USB ↔ 422/485  | Mifare,<br>USB Interface  | EM, RS-232  | Finger Vein   | Fingerprint   | Output DC13.8V,<br>3.5A   |



AUB Limited  
Unit A, 12/F, Hung Mou Industrial Building,  
62 Hung To Road, Kwun Tong,  
Kowloon, Hong Kong  
Tel : +852 2375 6110  
Fax : +852 2406 2602  
enquiry@aub.com.hk  
www.aub.com.hk

