

# HUNDURE



## SMART SECURITY SOLUTION CONTROL IN YOUR HAND

| Access Control | Time Attendance | Parking Control | Elevator Control | Power Saving |



## 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 (TCP/IP & RS-485 interfaces) to make the 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.

# MISSION STATEMENT

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



## HCMS

### HCMS Image Capture Management System

HCMS is a modular design and works with HAMS (Hundure Access Management System) which integrates with other systems for a wide range of applications. HAMS includes access control management, elevator management, time and attendance management, parking management and patrol management.

HCMS supports various surveillance equipments (DVR, NVR, and Video Server). It provides end-users more flexible applications and enhances the premises security.

Through parameter settings of HCMS, system will activate image capture function, records playback and provide query records.

Hardware :

RAC (HAC) -controller series / HTA-time attendance recorder series

(Note : HCMS only supports specific DVR/NVR brands)



## 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



# ACCESS CONTROL

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

Series	Single Door - Access Controller				Single Door - LCD
Image					
Spec. \ Model No.	<b>RAC-510</b>	<b>RAC-520</b>	<b>RAC-920</b> <b>RAC-930</b>	<b>RAC-A10</b>	<b>RAC-340</b>
Read Format	EM / Mifare	EM / Mifare	EM / Mifare	Mifare	EM / Mifare
Interface (To PC)	RS-485	RS-485	RS-485	RS-485	RS-485
Interface (To Reader)	T2 / W26	T2	T2	T2 / W26	-
Comm. Interface (To CCTV)	-	-	-	-	-
Cardholders	1,024	1,024	1,024	1,024	1,024
Transactions	800	800	800	800	800
Input Ports	3	3	3	3	3
Built-in Relays	1	1	1	1	-
Optional Output <sup>1</sup>	ACU-30	ACU-30	ACU-30	ACU-30	ACU-30
RTC	V	V	V	V	V
Time Zones / Time Schedules	-	-	-	-	-
Holiday Schedules	-	-	-	-	-
Unlock Door Time Schedules	-	-	-	-	-
Ingress protection	-	-	IP65	-	-
Power Input	DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A
Operating Temperature	-20°C ~ 70°C -4°F ~ 158°F	-10°C ~ 70°C 14°F ~ 158°F	-10°C ~ 70°C 14°F ~ 158°F	-20°C ~ 70°C -4°F ~ 158°F	0°C ~ 55°C 32°F ~ 131°F
Relative Humidity	20% ~ 80% (Non-condensing)			20% ~ 80% (Non-condensing)	
Dimensions (LxWxH / mm)	112 x 77 x 21	120 x 76 x 23	120 x 77 x 22	120 x 80 x 27	140 x 65 x 25

<sup>1</sup> ACU-30 is an optional item with 2 relays.







Series	Single Door - LCD Access Controller			Access / Elevator Controller	2 Door Control Panel	4 Door Control Panel	4/8/16 Door Control Panel
Image							
Spec. \ Model No.	<b>RAC-940</b>	<b>RAC-960 RAC-970</b>	<b>HAC-100</b>	<b>HAC-101</b>	<b>RAC-2000WS RAC-2000WSN</b>	<b>RAC-4600 RAC-4600N</b>	<b>RAC-2400 RAC-2400N</b>
Read Format	EM / Mifare	EM / Mifare	EM / Mifare	EM / Mifare	-	-	-
Interface (To PC)	RS-232 / 485	RS-485,TCP/IP	TCP/IP	RS-485,TCP/IP	RAC-2000WS:RS-485 RAC-2000WSN:TCP/IP	RAC-4600:RS-485 RAC-4600N:TCP/IP	RAC-2400:RS-485 RAC-2400N:TCP/IP
Interface (To Reader)	T2 / W26	T2 / W26	T2 / W26	T2 / W26	T2 / Wiegand / RS-485	T2 / Wiegand / RS-485	RS-485 (L-Type)
Comm. Interface (To CCTV)	RS-485	RS-485	-	-	-	-	-
Cardholders	10,000	40,000	40,000	40,000	15,000	40,000	30,000
Transactions	10,000	100,000	40,000	40,000	40,000	100,000	80,000
Input Ports	3	3	3	3	8	9	2
Built-in Relays	1	1	1	1	4	8	1
Optional Output <sup>2</sup>	ACU-30	ACU-30	ACU-30	ACU-30 / MCU-0016	-	-	ACU-100*
RTC	V	V	V	V	V	V	V
Time Zones / Time Schedules	16 / 16	128 / 128	256	256	128 / 128	256 / 256	256 / 256
Holiday Schedules	64 days Group (2 Groups)	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)	100 days / Group (64 Groups)
Unlock Door Time Schedules	V	V	V	V	V	V	V
Ingress protection	IP65	IP65	-	-	-	-	-
Power Input	DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A
Operating Temperature	0°C ~ 55° C / 32°F ~ 131°F		-10°C ~ 70°C / 14°F ~ 158°F		-40°C ~ 70°C / -40°F ~ 158°F		-10°C ~ 55°C / 14°F ~ 131°F
Relative Humidity	20% ~ 80% (Non-condensing)		20% ~ 80% (Non-condensing)		20% ~ 80% (Non-condensing)		
Dimensions (LxWxH / mm)	130 x 100 x 27	130 x 100 x 27	140 x 100 x 31	140 x 100 x 31	150 x 210 x 29	150 x 210 x 40	150 x 210 x 29

<sup>2</sup> MCU-0016 is an external item to expand output ports; ACU-100 is an optional single door panel for interfacing with T2 / Wiegand Reader

# 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-Y</b>	<b>HTA-830 HTA-840</b>	<b>HTA-850</b>	<b>HTA-860 HTA-870</b>
Read Format	Mifare	EM / Mifare	EM / Mifare	EM / Mifare
Interfaces (To PC)	Wi-Fi	HTA-830:TCP/IP HTA-840:TCP/IP PoE	TCP/IP	RS-485, TCP/IP
Interface (To Reader)	-	-	T2 / W26	T2 / W26
Cardholders	15,000	15,000	15,000	22,000
Transactions	40,000	40,000	150,000	150,000
Input Port	-	-	Exit Button x 1	Exit Button x 1
Built-in Relay	1	1	-	1
Optional Output <sup>3</sup>	-	-	ACU-30	ACU-30
RTC	V	V	V	V
Duty Timetables / Siren Schedules	16 / 32	16 / 32	32 / 32	32 / 32
ISP Function	V	V	V	V
Ingress Protection	-	-	-	IP65
Power Input	DC12V/1A	HTA-830:DC12V/1A HTA-840: from PoE hub <sup>4</sup>	DC12V/1A	DC12V/1A
Dimensions (LxWxH / mm)	160 x 100 x 40 (Without base)	160 x 100 x 40 (Without base)	142 x 200 x 38	130 x 100 x 27

<sup>3</sup> ACU-30 is an optional item with 2 relays

<sup>4</sup> The power input of PoE model (HTA-840) is provided from PoE hub

# APPLICATIONS

- Elevator
- Parking
- Power Saving



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 (for 32 floor control)	4	1	-	4	-
Optional Output <sup>5</sup>	MCU-0016	MCU-0016	MCU-0016	MCU-0016	-	RLY-66 series
Elevator Control (max.)	96 floors	64 floors	160 floors	160 floors	-	-
RTC	V	V	V	V	V	V
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	V	V	V	V	V	V
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

<sup>5</sup> MCU-0016 and RLY-66 series are external items to expand output ports.









# BIOMETRIC AUTHENTICATION

- Finger Vein
- Fingerprint

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 (12,000 finger vein templates)	6,000 users (12,000 finger vein templates)	6,000 users (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); 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, Exit Button, Door Sensor)	3 (Case Sensor, Exit Button, Door Sensor)	Case Sensor x 1
Built-in Relay	1	1	-
Optional Output <sup>6</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>6</sup> ACU-30 is an optional item with 2 relays

Series	Single Door-Access Controller				Reader	
Image						
Spec. \ Model No.	<b>RAC-810F</b>	<b>RAC-820F</b>	<b>RAC-960F</b>	<b>RAC-970F</b>	<b>PXR-81F</b>	<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)		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)	
Read Format	Mifare	EM / Mifare	EM / Mifare	EM / Mifare	Mifare	EM / Mifare
Interface (To PC)	TCP/IP	TCP/IP	RS-485, TCP/IP	RS-485, TCP/IP	W26 / RS-485 (To controller); TCP/IP (fingerprint)	
Interface (To Reader)	T2 / W26	T2 / W26	T2 / W26	T2 / W26	-	-
Interface (To CCTV)	-	-	RS-485	RS-485	-	-
Cardholders	18,000	18,000	40,000	40,000	-	-
Transactions	150,000	150,000	100,000	100,000	-	-
Input Port	3 (Case Sensor, Exit Button, Door Sensor)		3 (Case Sensor, Exit Button, Door Sensor)		Case Sensor x 1	Case Sensor x 1
Built-in Relay	1	1	1	1	-	-
Optional Output <sup>7</sup>	ACU-30	ACU-30	ACU-30	ACU-30	-	-
RTC	V	V	V	V	-	-
Time Zones / Schedules	128 / 128	128 / 128	128 / 128	128 / 128	-	-
Holiday Schedules	100 days / Group (2 Groups)		100 days / Group (2 Groups)		-	-
Unlock Door Time Schedules	V	V	V	V	-	-
Power Input	DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A
Dimensions (mm)	141 x 75 x 49	135 x 75 x 41	140 x 130 x 41	140 x 130 x 41	141 x 75 x 49	135 x 75 x 41

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

## Series

## Time &amp; Attendance Recorder

Image					
Spec. \ Model No.	<b>HTA-500F-N</b>	<b>HTA-502F-N (-Y, -V, -NB)</b>	<b>HTA-852F</b>	<b>HTA-860F</b>	<b>HTA-870F</b>
Biometrics	Fingerprint	Fingerprint	Fingerprint	Fingerprint	Fingerprint
User / Capacity	1,500 users / 3,000 templates	1,500 users / 3,000 templates	950 users / 1,900 templates or 4,750 users / 9,500 templates (option)		
Read Format	EM / Mifare	EM / Mifare	EM / Mifare	EM / Mifare	EM / Mifare
Interface (To PC)	TCP/IP ; USB Slave / USB Host	N : TCP/IP ; Y : Wi-Fi ; V : TCP/IP PoE <sup>8</sup> ; NB : TCP/IP & Battery, USB Slave / USB Host	TCP/IP	RS-485, TCP/IP	RS-485, TCP/IP
Interface (To Reader)	-	-	T2 / W26	T2 / W26	T2 / W26
Interface (To CCTV)	-	-	RS-232 / 485	RS-485	RS-485
Cardholders	3,000	3,000	15,000	22,000	22,000
Transactions	100,000	100,000	150,000	150,000	150,000
Input Port	Exit Button x 1	Exit Button x 1	Exit Button x 1	Exit Button x 1	Exit Button x 1
Built-in Relay	1	1	-	1	1
Optional Output <sup>9</sup>	ACU-30	ACU-30	ACU-30	ACU-30	ACU-30
RTC	V	V	V	V	V
Duty Timetables / Siren Schedules	32 / 32	32 / 32	32 / 32	32 / 32	32 / 32
Power Input	DC 5V/1A	DC 5V/1A <sup>8</sup>	DC12V/1A	DC12V/1A	DC12V/1A
Dimensions (mm)	160 x 134 x 34	160 x 134 x 34	142 x 200 x 38	140 x 130 x 41	140 x 130 x 41

<sup>8</sup> The power input of PoE model (HTA-502F-V) is powered from PoE hub  
<sup>9</sup> ACU-30 is an optional item with 2 relays



# READER

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



Series		IP66 Waterproof	Bluetooth Reader	Proximity Reader	
Image					
Spec. \ Model No.		<b>PXR-A1MWS-WR</b>	<b>PXR-92MWS-BE</b>	<b>PXR-50</b>	<b>PXR-51K</b>
Read Range	EM	-	-	6-8cm	6-8cm
	Mifare	3-5cm	3-5cm	3cm	-
Reader Interface		W & S	W & S, Bluetooth	T(E),W(E),S(M)	W
Keypad		-	-	-	V
Input Ports	Non-L-TYPE :	Case Sensor x 1	Case Sensor x 1	Case Sensor x 1	Case Sensor x 1
	L-TYPE :	-	-	-	-
Output Ports (L-TYPE)	Built-in Relay	-	-	-	-
	Optional Output	-	-	-	-
Ingress protection		IP66	IP65	-	-
Power Input		DC12V/1A	DC12V/1A	DC12V/1A	DC12V/1A
Operating Temperature		-20°C ~ 70°C / -4°F ~ 158°F	-10°C ~ 70°C / 14°F ~ 158°F	-10°C ~ 70°C / 14°F ~ 158°F	-20°C ~ 70°C / -4°F ~ 158°F
Relative Humidity		20% ~ 80%(Non-condensing)		20% ~ 80%(Non-condensing)	
Dimensions (mm)		120 x 80 x 27	120 x 77 x 22	95 x 44 x 16	112 x 77 x 21
Case Color		BL	BL	BL	BL

※ Reader Interfaces T:T2, T(E) : T2 (EM) W:Wiegand W(E) : Wiegand (EM) S:RS-485, S(M) : RS-485 (Mifare),  
 ※ Case Color BL: Black

Series		Proximity Reader					
Image							
Spec. \ Model No.		<b>PXR-10</b> <b>PXR-10K</b>	<b>PXR-12</b> <b>PXR-12K</b>	<b>PXR-13</b> <b>PXR-13K</b>	<b>PXR-14</b> <b>PXR-14K</b>	<b>PXR-A1</b> <b>PXR-A1K</b>	<b>PXR-52</b> <b>PXR-52K</b>
Read Range	EM	4cm	4cm	4cm	-	-	8-10cm
	Mifare	3cm	3cm	3cm	3cm	3-5cm	3-5cm
Reader Interface		PXR-10:W,S(M) PXR-10EK:W PXR-10MK:W & S	PXR-12:T,W,S(M),L(M) PXR-12K:T,W,S(M)	PXR-13:W,S(M) PXR-13K:T,W,S(M)	PXR-14:W,S PXR-14K:W & S	W, S	T,W,S,L
Keypad		PXR-10K	PXR-12K	PXR-13K	PXR-14K	PXR-A1K	PXR-52K
Input Ports	Non-L-TYPE :	Case Sensor x 1	Case Sensor x 1	Case Sensor x 1	Case Sensor x 1	Case Sensor x 1	Case Sensor x 1
	L-TYPE :	-	-	-	-	-	3 sensors (Case Sensor, Exit Button, Door Sensor)
Output Ports (L-TYPE)	Built-in Relay	-	-	-	-	-	1 relay for lock
	Optional Output <sup>10</sup>	-	ACU-30	-	-	-	ACU-30
Ingress protection		-	-	-	-	-	-
Power Input		DC12V/1A	DC12V/1A	DC12V/1A	DC 12V / 1A	DC12V/1A	DC12V/1A
Operating Temperature		-20°C~ 70°C / -4°F~ 158°F				-20°C~ 70°C / -4°F~ 158°F	-10° C ~ 70° C / 14° F ~ 158° F
Relative Humidity		20% ~ 80%(Non-condensing)				20% ~ 80%(Non-condensing)	
Dimensions (mm)		<sup>11</sup> 86 x 86 x 24	<sup>12</sup> 120 x 75 x 24	<sup>13</sup> 120 x 75 x 24	<sup>14</sup> 122 x 88 x 24	120 x 80 x 27	120 x 76 x 23
Case Color		BL	BL	BL	BL	BL	DG

<sup>10</sup> ACU-30 is an optional item with 2 relays

<sup>11</sup> PXR-10 / 10K / Q1 (86 Type Back Box)  
Faceplate Size : 86 x 86 x 13 (mm)  
Backside box Size : 65 x 58 x 24 (mm)

<sup>12</sup> PXR-12 / 12K (120 Type Back Box)  
Faceplate Size : 120 x 75 x 13 (mm)  
Backside box Size : 70 x 42 x 24 (mm)

<sup>13</sup> PXR-13 / 13K (120 Type Back Box)  
Faceplate Size : 120 x 75 x 13 (mm)  
Backside box Size : 70 x 42 x 24 (mm)

<sup>14</sup> PXR-14 / 14K (86 Type Back Box)  
Faceplate Size : 122 x 88 x 13 (mm)  
Backside box Size : 65 x 58 x 24 (mm)

Series		Proximity Reader					
Image							
Spec. \ Model No.		<b>PXR-62</b>	<b>PXR-66</b>	<b>PXR-68</b>	<b>PXR-70</b>	<b>PXR-92 PXR-92K</b>	<b>PXR-93 PXR-93K</b>
Read Range	EM	8-10cm	-	-	2cm	8-10cm	8-10cm
	Mifare	3-5cm	3cm	Card Slot	2cm	3-5cm	3-5cm
Reader Interface		T,W,S,L	S (M) ,L	L	T,W,S,L	T,W,S,L	T,W,S,L
Keypad		-	-	-	-	PXR-92K	PXR-93K
Input Ports	Non-L-TYPE :	Case Sensor x 1	-	-	Case Sensor x 1	Case Sensor x 1	Case Sensor x 1
	L-TYPE :	3 sensors (Case Sensor, Exit Button, Door Sensor)	2 sensors (Exit Button, Door Sensor)	-	3 sensors (Case Sensor, Exit Button, Door Sensor)		
Output Ports (L-TYPE)	Built-in Relay	1 relay for lock	1 relay for lock	-	1 relay for lock	1 relay for lock or doorbell	1 relay for lock or doorbell
	Optional Output <sup>15</sup>	ACU-30	ACU-30	RLY-66 series	ACU-30	ACU-30	ACU-30
Ingress protection		-	-	-	-	IP65	IP65
Power Input		DC12V/1A	DC12V/1A	DC 12V / 1A	DC12V/1A	DC12V/1A	DC12V/1A
Operating Temperature		-10° C ~ 70° C / 14° F ~ 158° F		-10° C ~ 55° C / 14° F ~ 131° F		-10° C ~ 55° C / 14° F ~ 131° F	
Relative Humidity		20% ~ 80%(Non-condensing)		20% ~ 80%(Non-condensing)		20% ~ 80%(Non-condensing)	
Dimensions (mm)		120 x 76 x 27	86 x 86 x 28	86 x 86 x 27	146 x 42 x 24	120 x 77 x 22	120 x 77 x 22
Case Color		DG, SG	DG, SG	DG, SB	GO	BL	SV











<sup>15</sup> ACU-30 is an optional item with 2 relays ; RLY-66 has built-in high current load relay(s)











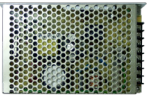
Series		QR Code Reader	Vandal-Resistant Reader	Scramble Keypad Reader	LCD Proximity Reader	
Image						
Spec. \ Model No.		<b>PXR-Q1</b>	<b>PXR-K1</b>	<b>PXR-RN</b>	<b>PXR-94K</b> <b>PXR-97K</b>	<b>PXR-14K-D</b>
Read Range	EM	-	-	-	8-10cm	-
	Mifare	3cm	3cm	3cm	3-5cm	3cm
Reader Interface		W&S	W&S	W&S	PXR-94:S,L PXR-97: L(M)	W&S
Keypad		-	V	V	V	V
Input Ports	Non-L-TYPE :	Case Sensor x 1	Case Sensor x 1	Case Sensor x 1	Case Sensor x 1	Case Sensor x 1
	L-TYPE :	-	-	-	3 sensors (Case Sensor, Exit Button, Door Sensor)	-
Output Ports (L-TYPE)	Built-in Relay	-	-	-	1 relay for lock or doorbell	-
	Optional Output <sup>16</sup>	-	-	-	ACU-30	-
Ingress protection		-	IP65 , IK08	-	IP65	-
Power Input		DC 12V / 1A	DC 12V / 1A	DC 12V / 1A	DC12V/1A	DC 12V / 1A
Operating Temperature		-20°C~ 70°C / -4°F~ 158°F	-20°C~ 70°C / -4°F~ 158°F	-20°C~ 70°C / -4°F~ 158°F	0°C ~ 55°C / 32°F ~ 131°F	-20°C~ 70°C / -4°F~ 158°F
Relative Humidity		20% ~ 80% (Non-condensing)	20% ~ 80% (Non-condensing)	20% ~ 80% (Non-condensing)	20% ~ 80% (Non-condensing)	20% ~ 80% (Non-condensing)
Dimensions (mm)		<sup>17</sup> 86 x 86 x 24	122 x 88 x 27	122 x 88 x 28	130 x 100 x 27	122 x 88 x 13
Case Color		BL	DG	BL	PXR-94: BL PXR-97: SV	BL

<sup>16</sup> ACU-30 is an optional item with 2 relays

<sup>17</sup> PXR-10 / 10K / Q1 (86 Type Back Box)  
Faceplate Size : 86 x 86 x 13 (mm)  
Backside box Size : 65 x 58 x 24 (mm)

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-408io</b>	<b>EPC-408</b>	<b>EPC-406</b>	<b>BF-430</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 ↔ 422/485	USB ↔ 422/485	TCP/IP ↔ 232/485	Mifare, USB Interface	EM, RS-232	Finger Vein	Fingerprint	Output DC13.8V, 3.5A





# HUNDURE

## Innovative Thinking Better Solutions!

To create a user-friendly, convenient, reliable and safer environment for mankind.

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