

PAS-9930PE/PM

Standalone Access Controller



Sensitive
Touch Keypad



Features

- Support network or standalone operation.
- Memory capacity 1,024 cardholders / 800 events.
- Watchdog function secures system free from halting.
- Able to connect external slave reader type T1/T2.
- Conditional Unlock Door function, able open 1~9,999 seconds per time.
- Provide RS-485 communication, able expandable to 64 sets by RS-485 interface.
- Reader tamper proof detection and door tamper alarm. Programmable door sensor detection time from 1~600 seconds and able set relay or reader beep of alarm type.
- Slim, stylish design, sensitive touch keypad with blue backlight suit for various locations.
- Duress card / code setting. When door opened in the emergency, controller will send signal to control center at the same time for tracing and rescue.
- Unique ID or Block reading format supported and programmable key value. (PAS-9930PM)
- Support swipe card and card with pin codes enter modes and door relay time from 1~600 seconds.

Ordering Information

Package Content:

- PAS-9930 x 1
- Plate x 1
- Quick Start Guide x 1
- Accessory Pack x 1

Supported Software:

- BSIS Management System

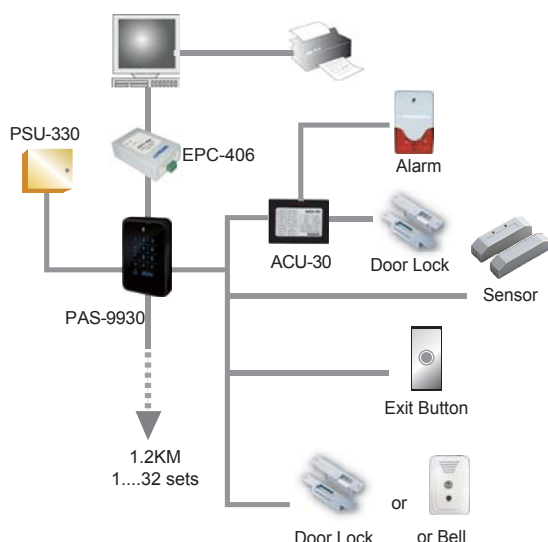
Optional Accessories:

- EPC-406 USB to RS-422/485 Converter
- AC-DC Adapter
- PSU-330 Uninterrupted Power Supply
- ACU-30 slave controller

Specifications

Processor	8 Bit
Memory	32K
Input Ports	3 Sensors (Door Sensor x 1、Exit Button x 1、Case Sensor x 1)
Output Ports	Relay x 1 (Door Lock or Bell) , O.C. Output x 2 (Door Lock / Alarm , external ACU-30)
Cardholders / Events	1,024 / 800
LED Indicator	Power
LCD Display	NONE
Keypad	13 Key (0-9, *, #, Bell) (Sensitive Touch Keypad)
Real Time Clock	Yes
Beep Tone	Buzzer
ID Setting	DIP switch setting
Read Format & Range	125 KHz (EM Compatible) (PAS-930 PE) 13.56 MHz (MIFARE® Compatible) PAS-930PM) EM : 8~10 cm(PAS-930PE) (max.), MIFARE®: 3~5 cmM (PAS-930PM) (max.)
Power Input	DC 12V / 1A
Current Consumption	250mA (max.)
Comm. Interface	RS-485
Comm. Baudrate	19,200 bps-N-8-1
Operating Temp.	-10℃~ 55℃ / 14°F~ 131°F
Relative Humidity	20% ~ 80% (Non-condensing)
Dimension	120mm(L) x 77mm(W) x 22mm(H)
Weight (Device)	140g

System Architecture



PAS-9970PE/PM

Standalone Access Controller



Sensitive Touch Keypad



Features

- Memory buffer 90% full warning.
- Bell key design. Suit for various location.
- Support network or standalone operation.
- Casing tamper proof detection and door tamper alarm.
- Support swipe card and swipe card with pin codes enter modes.
- The memory of the standard model is 18,000 cardholders and 18,000 events.
- Another model with 170,000 events storage is available for optional purchase.
- Unique ID or Block read format supported. (PAS-970PM)
- Slim, stylish design with waterproof sensitive touch keypad with blue backlight.
- Built-in RS-485 & TCP / IP communication interface to PC. (Able to expand to 255 sets by RS-485 interface)
- Blacklist and Duress card/code setting. When door opened in the emergency, the controller will send signal to control center at the same time for tracing and rescue.
- Programmable disarm code and able set maximum attempts to trigger re-swipe card alarm. The controller time-out function will avoid intrusion in and has self security.
- Provide 50 sets guest card with configurable check digits, duration, usage time & frequency.
- Provide 32 working shifts and 32 siren output. LCD will display current shift and activate alarm. Provide 100 holiday schedules per year.
- Able to connect external slave reader, And support anti-passback to every single door.
- Provide 128 time zones and time schedules, 8 time conditional unlock door schedules. (per week)
- Display name on the LCD screen after swiped card. Function keys of access control and shifts which are convenient to personnel to generate time attendance reports.
- On-board lithium battery ensures data storage can reach up to 1 year upon power outage.

Ordering Information

Package Content:

- PAS-9970 x 1
- Plate x 1
- Quick Start Guide x 1
- Accessory Pack x 1

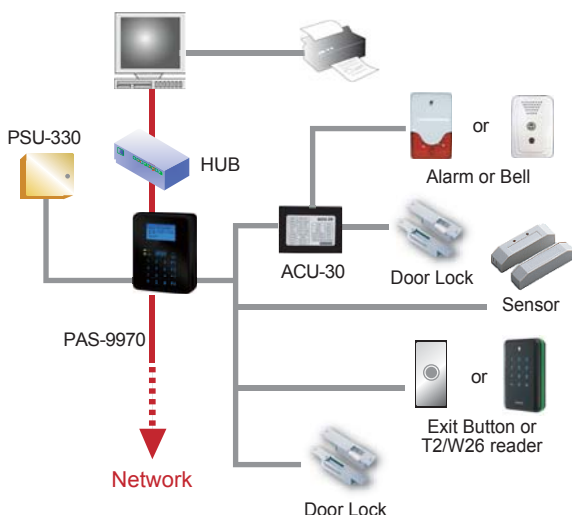
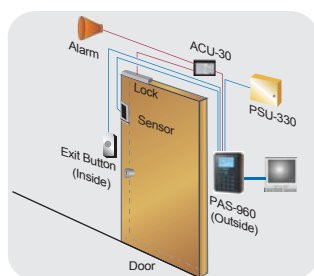
Supported Software:

- BSIS-19/20/22/24 Management System

Optional Accessories:

- AC-DC Adapter
- PSU-330 Uninterrupted Power Supply
- T2/W26 Proximity Reader
- ACU-30 slave controller

System Architecture



Specifications

Processor	32 Bit
Memory	1M
Input Ports	3 Sensors (Door Sensor x 1, Exit Button x 1, Case Sensor x 1)
Output Ports	Relay x 1 (Door Lock), O.C. Output x 2 (Door Lock / Alarm / Bell, external ACU-30)
Cardholders / Events	18,000 / 18,000
LED Indicator	Power / Comm.
LCD Display	128 x 64 Dot. Graphic Display with backlight
Keypad	17 Key (F1-F4, 0-9, *, #, Bell) (Sensitive Touch Keypad)
Real Time Clock	Yes
Beep Tone	Buzzer
ID Setting	Command setting by keypad
Read Format & Range	Built-in EM / MIFARE® / MIFARE® DESFire module in the controller, able to connect with T1 / T2 / W26 type slave reader EM(125KHz) : 8~10cm(PAS-970PE)(max.) 、 MIFARE® / MIFARE® DESFire(13.56MHz) : 3~5cm(PAS-970PM)(max.)
Power Input	DC 12V / 1A
Current Consumption	500mA. (max. excluding slave reader)
Comm. Interface	RS-485 / TCP/IP
Comm. Baudrate	RS-485 : 9,600/19,200 bps-N-8-1 ° TCP/IP : 10/100 Mbps
Operating Temp.	0°C~ 55°C / 32°F~ 131°F
Relative Humidity	20% ~ 80% (Non-condensing)
Dimension	130mm(L) x 100mm(W) x 27mm(H)
Weight (Device)	340g

* Product design and specifications are subject to change without prior notice.

Standalone Fingerprint Access Controller

Sensitive Touch Keypad



Features

- Support network or standalone operation.
- Bell key function design. Suit for various location.
- Casing tamper proof detection and door tamper alarm.
- Slim, stylish design, sensitive touch keypad with blue backlight.
- Dual card / fingerprint contrast function, improve system security.
- High security, using encryption with random code to saving finger characteristic.
- Large LCD display time, date, weekday and company name. And show cardholder Chinese / English name, card number and after card swiped.
- The standard model can access 950 users with 2 fingerprint templates per each user (total 1,900 fingerprint templates). The storage event record is up to 18,000 events.
- The advanced model can access 4,750 users with 2 fingerprint templates per each user (total 9,500 fingerprint templates). Another model with 170,000 events storage is available for optional purchase.
- Quick and accurate fingerprint verification, supports 1:1 authentication & 1:N identification. And audible voice prompts guiding users during verification process.
- Provide 32 working shifts and 32 siren schedules. Able display current shift or active alarm. Provide 100 holiday schedules per year.
- Provide blacklist and 50 sets visitor card with configurable check digits, duration, usage time & frequency.
- Provide 128 time zones and time schedules, 8 time conditional unlock door schedules (per week).
- Duress card/code setting. When door opened in the emergency, controller will send signal to control center at the same time for tracing and rescue.
- Programmable disarm code and max. re-swipe card alarms function. The system wills timeout at max swipe card failure.
- Memory buffer full warning. When memory capacity reaches 90%, it will send an alarm to remind the system administrator for data collection.
- Unique ID or Block read format supported and programmable key value. (PAS-970PMF)
- RTC ensures to provide correct date and time. Watchdog function secures system free from halting.
- Built-in RS-485 & TCP/IP communication interface to PC. (Able to expandable to 255 sets by RS-485 interface)
- On-board lithium battery ensures data storage can reach up to 1 year upon power outage.

Ordering Information

Package Content:

- PAS-9970 x 1
- Quick Start Guide x 1
- Accessory Pack x 1

Supported Software:

- BSIS-19/20/22/24 Management System

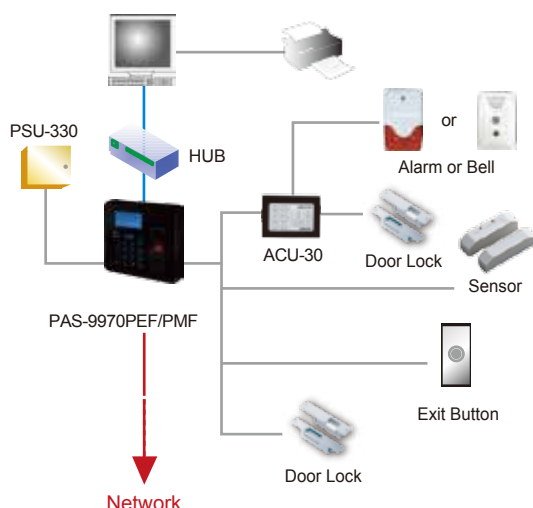
Optional Accessories:

- AC-DC Adapter
- PSU-330 Uninterrupted Power Supply
- ACU-30 slave controller

Specifications

Processor	32 Bit
Memory	1M
Input Port	3 Sensors (Door Sensor x 1 · Exit Button x 1 · Case Sensor x 1)
Output Port	Relay x 1 (Door Lock) · O.C. Output x 2 (Alarm / Door Bell, external ACU-30)
Cardholders / Events	18,000 / 18,000
Fingerprint Capacity	950 user capacity. (2 fingerprint templates per person)
Identification Mode	1 : 1 / 1 : N
Identification Time	1 : 1 <= 1 sec. 1 : 1,000 <= 1 sec.
FAR / FRR	<=0.001% / <=0.01%
Fingerprint Sensor	Optical CMOS Sensor
LED Indicator	Power / Comm.
LCD Display	128 x 64 Dot. Graphic Display with backlight
Keypad	17 Key (F1-F4, 0-9, *, #, Bell) (Sensitive Touch Keypad)
Real Time Clock	YES
Beep Tone	Buzzer & Operating steps sound
ID setting	Command setting by keypad
Read Format & Range	Built-in EM / MIFARE® / MIFARE® DESFire module in the controller. EM : 8~10 CM (PAS-970PEF) (max.) · MIFARE® /MIFARE® DESFire : 3~5cm (PAS-970PMF) (max.)
Power Input	DC 12V / 1A
Current Consumption	1A (max.)
Comm. Interface	RS-485 / TCP/IP
Comm. Baudrate	RS-485: 9,600/19,200 bps-N-8-1 · TCP/IP: 10/100 Mbps
Operating Temp.	0°C ~ 55°C / 32°F ~ 131°F
Relative Humidity	20% ~ 80% (Non-condensing)
Dimension	140mm(L) x 130mm(W) x 41mm(H)
Weight (Device)	400g

System Architecture



Features



- Conforms to ISO 14443A, supporting MIFARE card.
- Unique ID or Block read format supported and programmable key value.
- Provides RS-485 communication interface. It may suit for long distance installation.
- IP65 rated, easy to install indoor and outdoor environments.
- Slim, stylish design, capacitive touch keypad with blue backlight.
- Provides unlock door modes by swiping card, swiping card with PIN code, press card number through keypad and press exit button
- Provides the bell key for connecting an external doorbell device
- In the Ready mode, LCD displays date, day of the week, time; while swiping card, it displays status message or cardholder's name
- Automatically detects the connection status with the control panel. When disconnecting with the control panel, it automatically turns into standalone mode and stays operation by emergency management cards or Auto-Learning mode
- Provides Auto-Learning function to automatically remember 470 swiped card numbers. While disconnecting with the control panel, the reader will turn into standalone mode for operation
- Case sensor detection function.
- Watchdog function secures system free from halting.

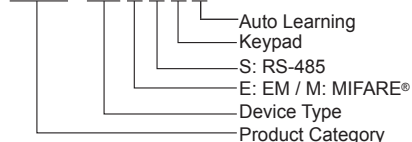
Ordering Information

Package Content:

- PXR-9970 x 1
- Quick Start Guide x 1
- Plate x 1
- Accessory Pack x 1

Model No. Identification

P X R - 9970 M S K L



Color

●
Silver
(SV)

Specifications

Read Format	Mifare (13.56 MHz)
Read Range	3-5 cm(max)
Comm. Interface	RS-485
Keypad	17 Key (F1-F4, 0-9, *, #, Bell)
Input Ports	3 Sensors (Door Sensor x 1、Exit Button x 1、Case Sensor x 1)
Output Ports	Relay x 1 (Door Lock), O.C. Output x 2 (Door Lock / Alarm by optional ACU-30/90)
ID Setting	Command Setting by Keypad
Comm. Baudrate	19,200 bps-N-8-1
LCD display	128 x 64 Dot. Graphic Display with Backlight
LED Indicators	Power / Comm.
Beep Tone	Buzzer
Ingress Protection	IP 65
Power Input	DC 12V / 1A
Current Consumption	500mA (max)
Operating Temp.	0°C~ 55°C / 32°F~ 131°F
Relative Humidity	20% ~ 80%(Non-condensing)
Dimension (LxWxH)(mm)	130 x 100 x 27

Face Recognition Access controller

Features



- Provide 4,000 faces (1 face template per user), 80,000 cardholders and 100,000 event records.
- Quick and accurate face verification; supports 1:N authentication. And audible voice prompts guiding users during verification process.
- Casing tamper proof detection and door tamper alarm.
- Blacklist and Duress card/code setting. When door opened in the emergency, the controller will send signal to control center at the same time for tracing and rescue.
- Support anti-passback to a single door.
- Provide 256 time zones and time schedules, 8 time conditional unlock door schedules (per week).
- Provide 32 working shifts and 32 siren schedules. Able display current shift or active alarm. (Work with ACU-30). Provide 100 holiday schedules per year.
- Built-in TCP/IP communication interface to PC.
- Equipped with 2.4" color LCD and waterproof sensitive touch keypad with blue backlight.
- In standby mode, LCD screen display date and large font of time (HH:MM).
- Memory buffer full warning. When the remaining memory capacity can only store 1000 records, the LCD will display that 99% of the memory is full, reminding the administrator to collect data.
- Support remote control function.
- On-board lithium battery ensures data storage can reach up to 1 year upon power outage
- RTC ensures to provide correct date and time. Watchdog function secures system free from halting.
- Conforms to ISO 14443A standard; supporting Mifare card. (Mifare model only)
- Unique ID or Block read format supported and programmable key value. (Mifare model only)

Ordering Information

Package Content:

- Controller x 1
- Quick Start Guide x 1
- Accessory Pack x 1

Supported Software:

- BSIS Management System

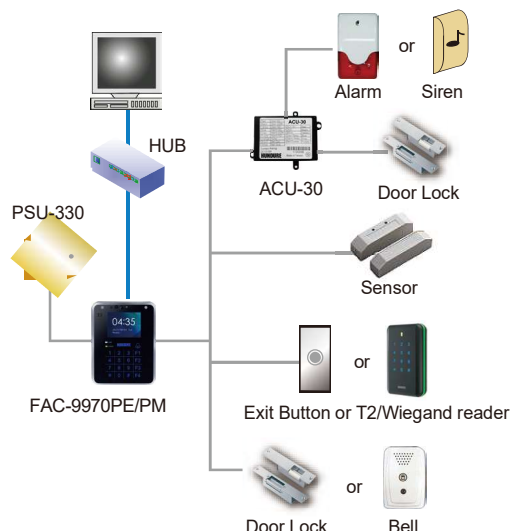
Optional Accessories:

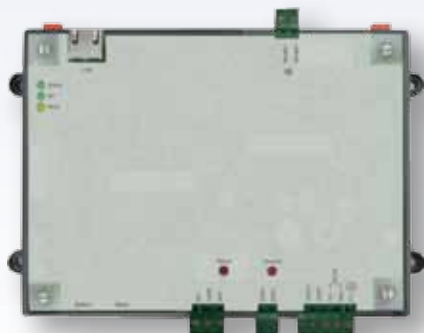
- AC-DC Adapter
- PSU-330 Uninterrupted Power Supply
- T2/Wiegand Proximity Reader
- ACU-30 slave controller

Specifications

Model No.	FAC-9970PE	FAC-9970PM
Read Format	EM (125 KHz)	Mifare (13.56 MHz)
Read Range	6 cm	1.5 cm
Salve Reader	T2 or Wiegand x 1	
Input Port	Sensor x 3 (Door Sensor x 1, Exit Button x 1, Case Sensor x 1)	
Output Port	Relay x 1, O.C. Output x 3 (Alarm /Bell/Siren, external ACU-30)	
Cardholders	80,000	
Events	100,000	
Face Capacity	4,000 (1 face template per user, total 4,000 faces)	
Identification Mode	1 : 1 / 1 : N	
Identification Time	<1.5 Sec., motionless status	
Accuracy Rate	≥ 98.7%, sufficient ambient light	
FAR	≤ 0.0001%	
FRR	≤ 0.4%	
LCD Display	2.4" Color LCD (Face/Message integrated display)	
LED Indicator	Red/Green Bicolor LED x 2 (Power/Comm./Status)	
Keypad	17 Keys (F1-F4, 0-9, *, #, Bell) (Sensitive Touch Keypad)	
Real Time Clock	Yes	
Beep Tone	Buzzer & Speaker	
ID or IP Setting	Command setting by keypad	
Comm. Interface	RS-485 / TCP/IP	
Comm. Baudrate	RS-485: 19,200 bps-N-8-1; TCP/IP: 10/100 Mbps	
Current Consumption	600mA (max.)	
Power Input	DC 12V / 600mA	
Memory Battery	3V Lithium battery (replaceable)	
Operating Temp.	0°C ~ 70°C / 32°F ~ 158°F	
Relative Humidity	20% ~ 80% (Non-condensing)	
Dimension	130 (L) x 100 (W) x 27 (H)	

System Architecture





Features

- Provide 1 Relay output for activate alarm.
- Built-in TCP / IP communication interface to PC.
- There are three models, controls 4 / 8 / 16 doors.
- Large capacity: 30,000 cardholders / 100,000 events.
- Provide optical coupled isolated sensors for alarm and reader tamper.
- Control panel and reader separate design, max. connects 16 RS-485 L-series readers or ACU-100 slave control panels. (for T2/W26 reader used). (Able set two-way readers or reader in and exit button out).
- Provide 256 time zones & schedules , each 8 time zones. 64 holiday groups , 100 holiday schedules per group.
- Support Blacklist , Patrol Card so on , also can set up cards valid date , increase the safety of Access Control.
- Anti-passback and Duress card/code setting. When door opened in the emergency, controller will send signal to control center at the same time for tracing and rescue.
- RTC (Real Time Clock) and Watchdog function ensures accurate date/time and system free from halting.
- Support connects extra PSU-330 Uninterrupted power supply, ensure the operation during power outage.
- Control panel holder & block terminal ensure easy installation & easy maintenance.

Ordering Information

Package Content:

- PAS-9400N x 1
- Quick Start Guide x 1

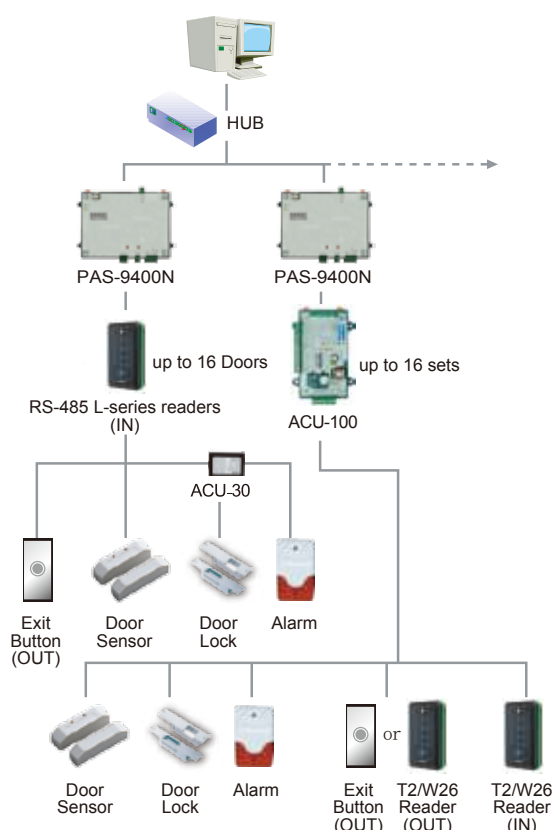
Supported Software:

- BSIS-24 Management System

Optional Accessories:

- PSU-330 Uninterrupted Power Supply
- RS-485 L-series Reader
- T2/W26 Proximity Reader
- ACU-30 Slave Controller
- ACU-100 Slave Control Panel

System Architecture



Specifications

Processor	32 Bit
Memory	4M
Input ports	2 sensors (Input Sensor x 1 - Case Sensor x 1)
Output ports	1 Relay (Alarm x 1)
Cardholders/Events	30,000 / 100,000 (max.)
LED Indicator	Power / Status / Comm.
Real Time Clock	Yes
IP Setting	IP Tool setting
Reader port	RS-485
Power Input	DC 12V / 1A (Excluding Reader)
Current Consumption	500mA (max. Excluding Reader)
Comm. Interface	TCP / IP
Comm. Baud Rate	19,200 bps-N-8-1
Operating Temp.	-10°C ~ 55°C / 14°F ~ 131°F
Relative Humidity	20% ~ 80% (Non-condensing)
Dimension	150mm(L) x 210mm(W) x 29mm(H)
Weight (Device)	400g

BF-430 & e-P132 TCP/IP Converter



BF-430



e-P132

Ordering Information

Package Content:

- BF-430 or e-P132 x 1
- Software CD x 1

Optional Accessories:

- AC-DC Adapter

Features

- CE / FCC approved.
- Provide IP Setup Utility.
- High speed 10/100M TCP/IP Converter.
- Simple & friendly GUI interface software utility.
- Watchdog function ensures system free for halting.
- Windows based with Winsock SDK. (Software Development Kit)
- Conversion of RS-232 and RS-485 to fast Ethernet data transmission.
- Provide network ability for Access Control and Time Attendance System.

Specifications

Model No.	BF-430	e-P132
CPU	16-bit RISC	32 Bit
RAM	2 MB (1M x 16bits)	2 MB (1M x 16bits)
ROM	128KB	128KB
Interface	LAN: RJ-45 Connector COM: RS-232 / RS-485	LAN: RJ-45 Connector COM: RS-232 / RS-485
Power Input	DC 9V, 500mA (max)	DC 9V, 500mA (max)
Power Consumption	4.5W (max)	4.5W (max)
Comm. Baudrate	300bps~115.2Kbps-N-8-1	300bps ~ 115.2Kbps-N-8-1
Operating Temp.	0° C~50° C / 32° F~122° F	-20° C ~ 55° C / -4° F ~ 131° F
Relative Humidity	5%~95% (Non Condensing)	5%~95% (Non Condensing)
Dimension(mm)	97 x 75 x 27 LxWxH	115 x 70 x 30 LxWxH
Weight (Device)	165g +/- 5%	150g +/- 5%

* Product design and specifications are subject to change without prior notice.