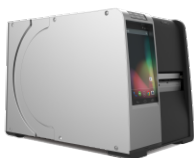


# AIP-830

**AI** Industrial Printer



## 1. User Scenario



## 2. Product Features



### Embedded Android operating system

The powerful Android OS enables unlimited possibilities for printing tasks.



### Excellent RFID recognition accuracy

The self-designed UHF RFID engine provides a deeply optimized user experience. The ability of automatically locating the position of RFID tags has achieved the highest identification accuracy in the industry.



### High configuration computing platform

64-bit six-core computing platform + independent NPU + 5G RAM provide strong technical support for applications with complex AI algorithms such as tag CIS.



### Large HD touch screen

8-inch large HD touch screen provides intuitive operation and excellent user experience.



### Rich communication interface

Standard communication interfaces include Ethernet, WIFI, Bluetooth, USB3.0(Type-B), RS-232, GPIO, PSAM, etc.



### 3 sets of gap sensors

Equipped with 3 sets of gap sensors, including upper reflection, lower reflection and transmission type, the printer meets various printing needs from customers.



### Fanless and maintenance-free design

The fanless and maintenance-free design effectively extends the service life of power supply unit, creates a quieter standby environment and makes maintenance more convenient.



### Adaptive label paper detection

The printer can automatically detect the label height and gap value, which makes it adaptive to different types of label printing and positioning more precise.



### Double alarm detection mechanism

It features alarming function by card ribbon detection and paper jam detection.



### Adapt to different inner diameter paper rolls

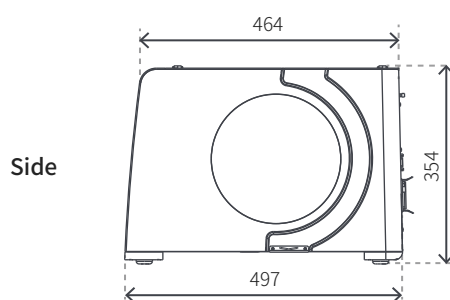
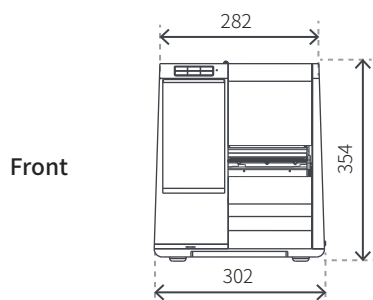
With self-designed paper roll expander, it can be compatible with general paper rolls such as 25mm, 40mm, 76mm inner diameters.



### Replaceable design of consumable material

The modular design of the print head and the removable design of the print rubber roller make it convenient for customers to disassemble and replace.

## 3. Product Size(mm)



## 4. Product Parameters

### Physical Parameter

Dimensions	497*302*354mm
Weight	19.5kg

### Configuration Parameter

Operation System	Android 9.0
CPU	Hexa-core 64 bit processor ( Dual-core Cortex-A72+Quad-core Cortex-A53 ) Frequency is up to 1.8GHz
GPU	Mali-T860MP4 GPU Supports OpenGL ES1.1/ 2.0/ 3.0/ 3.1, OpenVG1.1, OpenCL, DX11
NPU	Supports multiple AI algorithms Computing power up to 3.0TOPs
RAM	1G+4G
ROM	32G
USB	2 USB3.0 Host (Type-A) interfaces 1 USB3.0 Device (Type-B) interface
Serial Interface	1 RS232 interface
Ethernet	10/100/1000M-bit ethernet
Bluetooth	Bluetooth 5.0
WIFI	Supports 2.4G/ 5G WIFI
PSAM	Supports
GPIO	2 Inputs,2 Outputs
Physical Button	
FEED/PAUSE/CANCEL	3 ALPS buttons/ Operating force 2.5N / Operating life 1,000,000 cycles
Function Keys *3	3 ALPS buttons/ Operating force 2.5N / Operating life 1,000,000 cycles
Body Design	Metal frame, stylish appearance
LCD	8.0 inches/ 1200*1920 / IPS / 180°view angle
Gyroscope	Six axis( Acceleration+Gyroscope+Magnetometer )

### Printer Specifications

Resolution	300 dpi/12 dots per mm
Maximum Print Width	105mm (4.1")
Maximum Print Speed	300 dpi:254mm/s (10ips)
Paper Detection Method	Transmissive and reflective
Maximum Continuous Print Length	3000mm (118.1")
Print Method	Thermal transfer and thermal printing
Consumables Installation	Side-mounted consumables

### Media Parameters

Label Roll Size	Width: 10-110mm (0.39"-4.33") Outer diameter: maximum 203mm (8") Inner diameter: 25.4mm(1")/40mm(1.5")/76mm(3")
Label Thickness	0.06mm (0.0023") to 0.305mm (0.012") Anti-metal label version: ≤ 1.2 mm
Ribbon Roll Size	Outer diameter: up to 84mm (3.3") Inner diameter: 25.4mm (1") Width: Maximum 118mm (4.65")

### UHF RFID

RFID Engine	RodinBell M-2800/ Based on Impinj Indy R2000
Protocol	EPC Global UHF Class 1 Gen 2/ ISO 18000-6C

### Fonts and Graphics

Fonts	Built-in Western dot matrix font library; Chinese dot matrix font library; Downloadable vector font library;
Graphics	Downloadable objects include graphics; Scalable and bitmap fonts;

### Barcode Symbolologies

1D Barcode	Code128, Code39, Code93, UPC-A, UPC-E, EAN13, EAN8, ITF,CODABAR, GS1 BAR etc
2D Barcode	QRCODE, PDF417, DATAMATRIX, Micro PDF417, Truncated PDF417, MAXICODE etc

### Application Environment

Environmental Parameters	Operating Temp: 0°C to 40°C (32°F to 104°F) Operating Humidity: 20%RH-85%RH (non-condensing) Storage Temp: -40°C to 60°C (-40°F to 140°F) Storage Humidity: 20%RH-85%RH (non-condensing)
Power Supply	100~240V, 5.8A, 50/60Hz

### Accessories

Wifi antenna,Power supply,USB cable