



### Desktop thermal label printer series shipping bill, label, barcode, pickup code, all in one printer

model	AS220 (2.5inch) <b>NEW</b>	AD230 (3inch)	AD231 (3inch)	A70 (3inch)	A71 (3inch)	AC230 (3inch)	ID230(3inch/Industrial Grade)	AE240 (4inch)	AE241 (4inch)	AD240 (4inch)	AS240 (4inch) <b>NEW</b>	E40 (4inch) <b>NEW</b>	E41 (4inch) <b>NEW</b>
picture													
Printing method	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing
resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	AS240:203dpi, AS340:304dpi	203 dpi	203 dpi
Printing speed	150mm/s	150mm/s	150mm/s	180mm/s	220mm/s	76mm/s	300mm/s	150mm/s	150mm/s	150mm/s	150mm/s	100mm/s	100mm/s
Effective printing width		80mm	80mm	80mm	80mm	72mm	80mm	48-108mm	108mm	108mm	108mm	108mm	108mm
Label width(MAX)	15mm-65mm	84mm	84mm	80mm	80mm	80mm	84mm	110mm	112mm	112mm	115mm	112mm	112mm
adaptive consumables	thermal label	thermal label, thermal receipt	thermal label, thermal receipt	thermal label	thermal label	thermal label	thermal label	thermal label	thermal label	thermal label	thermal label	thermal label	thermal label
printer lifespan	30km(warranty), 50km(lifespan)	30km(warranty) 50km(lifespan)	30km(warranty) 50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty)50km(lifespan)	50km(warranty)	30km(warranty) 50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty)50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty) 50km(lifespan)
weight	1kg	852g	852g	555g	555g	598g	2500g	1000g	1000g	1100g	1100g	490g	490g
dimension	207.6*137*159mm	141*175*138mm	141*175*138mm	155*164*107mm	155*164*107mm	206*94*90mm	250*200*110mm	205*175*150mm	205*175*150mm	225*177*168mm	207.6*187*159mm	185*83*61mm	185*83*61mm

### Desktop thermal label printer series shipping bill, label, barcode, pickup code, all in one printer

model	A81 (4inch)	A82 (4inch)	AC240 (4inch)	ID240(4inch/Industrial Grade)
picture				
Printing method	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing
resolution	203 dpi	203 dpi	203 dpi	203 dpi
Printing speed	100mm/s	150mm/s	50mm/s	300mm/s
Effective printing width	108mm	108mm	104mm	104mm
Label width(MAX)	112mm	112mm	110mm	110mm
adaptive consumables	thermal label	thermal label	thermal label	thermal label
printer lifespan	30km(warranty) 50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty)50km(lifespan)	50km(warranty)
weight	490g	830g	1000g	2500g
dimension	185*83*61mm	200*82*95mm	206*94*90mm	250*200*110mm

### Portable label printer series print different size of label in commercial and domestic use

model	MP220 (2inch)	MP230 (3inch)	MP231 (3inch)	MP232 (3inch) <b>NEW</b>	MP233(3inch) <b>NEW</b>	MC240(4inch)	MP280/380 (8inch)
picture							
Printing method	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing
resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi(MP280)300dpi(MP380)
Printing speed	65mm/s(MAX)	65mm/s(MAX)	60mm/s(MAX)	100mm/s(MAX)	80mm/s(MAX)	50mm/s(MAX)	20mm/s(MAX)
Effective printing width	48mm	72mm	72mm	72mm	72mm	104mm	208mm
Label width(MAX)	58mm	80mm	80mm	80mm	80mm	110mm	216mm
adaptive consumables	thermal label	thermal label, thermal receipt	thermal label, thermal receipt	thermal label, thermal receipt	thermal label, thermal receipt	thermal label	hazardous wastes paper
printer lifespan	30km(warranty), 50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty), 50km(lifespan)	30km(warranty), 50km(lifespan)
weight	280g	360g	330g	370g	360g	689g	688g
dimension	133.7*88*59.2mm	122*110*52mm	110.8*109.1*59.7mm	207*187*209mm	131*118*60mm	206*94*90mm	265.6*80*46.5mm

### Thermal transfer printer series high performance with enduring effect and not fade

model	AY-320	QR-982	QR-983	QR-986	AT240	AT340	AT640	IE240	IE340	IE640
picture										
Printing method	thermal transfer printing	thermal transfer printing			thermal transfer printing			thermal transfer printing		
resolution	203 dpi	203 dpi	300 dpi	600dpi	203 dpi	300 dpi	600dpi	203 dpi	300 dpi	600dpi
Printing speed	150mm/s(MAX)	150mm/s(MAX)	100mm/s(MAX)	100mm/s(MAX)	150mm/s(MAX)	100mm/s(MAX)	100mm/s(MAX)	250mm/s(MAX)	200mm/s(MAX)	100mm/s(MAX)
Effective printing width	80mm	108mm	107mm	104mm	108mm	107mm	104mm	108mm	106mm	106mm
Label width(MAX)	110mm(MAX)	110mm (MAX)			110mm (MAX)			120mm (MAX)		
adaptive consumables	thermal label black mark paper,	thermal label, black mark paper, continuous paper			thermal label, black mark paper, continuous paper			thermal label, black mark paper, continuous paper, washing mark, punching hole paper		
printer lifespan	USB(AV-320)/USB+bluetooth(AV320BT) USB+bluetooth+COM(AV-320P)	USB, USB+bluetooth, USB+bluetooth+COM			USB, USB+bluetooth, USB+bluetooth+COM			USB+LAN+COM		
weight	2kg	2kg			2kg			10kg		
dimension	273*220*177mm	273*220*177mm			273*220*177mm			455*246*285mm		

### Portable thermal series for home & office use A good helper for home storage, you can print documents as you like!

model	D11/D11 Pro(0.5inch)	D30/D30 Pro (0.5inch)	Q2/Q2 Pro (2inch)	B21 (2inch) <b>NEW</b>	B22 (2inch) <b>NEW</b>	B23 (2inch) <b>NEW</b>	A4L/A4L Pro(8inch)	A40(8inch) <b>NEW</b>	A40s(8inch) <b>NEW</b>
picture									
Printing method	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing
resolution	203 dpi	203 dpi	203 dpi (Q2)/300 dpi (Q2 Pro)	203 dpi	203 dpi	203 dpi	203 dpi (A4L)/ 300 dpi (A4L Pro)	203 dpi	203 dpi
Printing speed	15mm/s(MAX)	20mm/s(MAX)	15mm/s(MAX)	50mm/s(MAX)	20mm/s(MAX)	30mm/s(MAX)	18mm/s(MAX)	18mm/s(MAX)	10mm/s (纹身纸) 18mm/s(MAX)
Effective printing width	12mm (MAX)	12mm (MAX)	48mm (MAX)	48mm (MAX)	48mm (MAX)	48mm (MAX)	208mm (MAX)	208mm (MAX)	208mm (MAX)
battery capacity	1500mAh	1500mAh	1000mAh	2500mAh	1200mAh	800mAh	2600mAh	2600mAh	2600mAh
adaptive consumables	label(including transparent label)	thermal label(including transparent label), continuous paper	receipt paper, continuous adhesive paper, label	label(including transparent label), receipt paper, continuous adhesive paper	receipt paper, continuous adhesive paper, label	adhesive continuous paper, receipt paper, label paper	continuous paper, label	continuous paper, label	continuous paper, label, tattoo transfer paper
charging interface	Type-C 5V@2A	Type-C 5V@2A	Type-C 5V@2A	Type-C 5V@2A	Type-C 5V@2A	Type-C 5V@2A	Type-C 5V@2A	Type-C 5V@2A	Type-C 5V@2A
weight	176g	218g	157g	215g	142g	688g	688g	688g	688g
dimension	120*83*33mm	129*86*40mm	85*84*41mm	90*98*48.3mm	80.6*65.3*56.3mm	89*86*39 mm	265.6*80*48mm	265.6*80*46.5mm	265.6*80*46.5mm

# PRODUCT MANUAL

TO PRINT LABELS , CHOOSE AIYIN!

# Full-process printing solutions

One-stop procurement, professional R&D  
One-stop solution for software and hardware, comprehensive pre-sales/after-sales services

**Efficient and convenient, cost saving**  
Equipment operation is simple  
Print and paste, smart and convenient  
Quickly print medical labels  
Save costs and improve human efficiency

**One-stop purchasing, system deployment**  
One-stop solution for software and hardware  
Highly adaptable performance  
Provide professional deployment services  
Double guarantee of quality service

**Professional R&D, quality service**  
Nearly 10 years of industry experience  
Hundred-person R&D team  
7\*24 hours fast response  
All-round pre-sales/after-sales service

## Medical industry

Designed specifically for hospital equipment, for drug, ward, case summary traceability and medical archive management, etc.  
Provides label and invoice printing barcodes for more efficient and convenient management



Medication Management



Wristband Tags



Simplify the Process

**QR-982/983/986**  
multi-functional barcode printer  
thermal & transfer dual printing method

**AS220**  
2.5-inch desktop thermal label printer  
designed for medical applications

**S10**  
2D wireless barcode scanner

**H11**  
scanning case

**AS240**  
4 inch desktop thermal label printer

## Cutting bed label (Philippine ticket)

Why choose thermal cutting bed label printer

**Thermal cutting bed label printer**

No ribbon required, just load paper and print

**Cost savings** ✓

No need to frequently replace ribbon ink cartridges, just load the paper and use it saving costs  
Using thermal paper, high cost performance

**Easy to operate** ✓

Simply load the label paper, connect to the printing software, and start printing

**Environmental protection and safety** ✓

It does not produce harmful substances such as ink or toner, so there is no need to worry about the impact on human health. It is environmentally friendly and energy-saving, and it is clean and does not dirty your hands

**Light and portable** ✓

Smaller in size, can be placed in any corner

**Traditional cutting bed label printer**

Higher cost and complex operation

**High cost**

Need to be used with carbon ribbon, high replacement and maintenance costs  
Traditional cutting bed labels use nylon cloth, which is more expensive

**Difficult to operate**

Need to install the ribbon first, the steps are more complicated

**Impact on health**

The printing process will produce harmful substances such as toner particles, which will affect health and consume more energy

**Large size**

Large body, not flexible and light enough

Professional thermal printer  
Designed specifically for cutting bed labels

**AS220**  
2.5 inch desktop thermal label printer



**A70**  
3 inch desktop thermal label printer



## Free supporting professional label printing software

Text, picture, date, serial number, barcode, two-dimensional code, form and other editing functions are available; A variety of languages, fonts, ICONS, symbols are available for editing;  
Multi-industry scenario templates can be used with one click.

**Massive templates**

**Scene application**

**Multi-size print**

**Label editing**

**SCAN CODE TO DOWNLOAD APP**

**LABEL EXPERT**

## Suitable for APP and PC

PC, IOS, Android

**AiYin**



Scan code to download APP

## Life label printing little expert

**Label printing**  
Based on various application scenarios, with professional templates.

**Quick edit**  
Multiple scenarios for convenient editing and printing.

**Beautiful utility template**  
On-line tracking and management.

## More products

• **Receipt printer series** High speed printing with low lag, new goods tools

Model	MN581	AN581	AN582	AN801	AN802	AN803	AN804
Picture							
Printing method	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing	Direct thermal printing
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi
Printing speed	80mm/s(MAX)	65mm/s(MAX)	120mm/s(MAX)	200mm/s(MAX)	300mm/s (MAX)	150mm/s (MAX)	200mm/s (MAX)
Printing width	48mm	48mm	48mm	72mm	72mm	80mm	72mm
Label width	57±0.5mm	58mm	57±0.5mm	79.5±0.5mm	79.5±0.5mm	84mm	79.5±0.5mm
Printer lifespan	30km(warranty) 50km(lifespan)	30km(warranty) 50km(lifespan)	30km(warranty) 50km(lifespan)	150km	150km	30km(warranty) 50km(lifespan)	150km
Weight	199g	375g	750g	840g	1000g	935g	935g
Dimension	119.3*8.5*47mm	110*146*109mm	143*110*110mm	130.2*167*131.5mm	140*178*130mm	141*175*138mm	139*180*135mm

• **PDA Data Collector** Cargo inventory, information collection

Model	Q68	Q69	Q70	R68	R69
Picture					
Operation system	Android 9	Android 12	Android 11	Android 9	Android 12
Processor	4 cores, basic frequency 2.0GHZ	8 cores, basic frequency 2.0GHZ	8 cores, basic frequency 2.0GHZ	8 cores, basic frequency 2.0GHZ	8 cores, 12nm
Storage	RAM:2GB Flash:16GB	RAM:3GB Flash:32GB	RAM:4GB Flash:64GB	RAM:4GB Flash:64GB	RAM:4GB Flash:64GB
Display	4 inches, resolution 800*480, visible in sunlight	4 inches, IPS, resolution 800*480, visible in sunlight	4 inches, resolution 800*480	5-inch, HD 1280*720, sunlight-visible GFP capacitive screen	5.7 inches, IPS, resolution 720*1440
Battery capacity	4000mAh	5100mAh	5000mAh	4000mAh	4000mAh
Protection level	IP65 1.5m drop resistance	IP67 1.8m drop resistance	/	IP65/IP67 1.2m drop resistance	/
Interface	USB 2.0, Type-C charging/data	USB 2.0, Type-C charging/data	USB 2.0, Type-C charging/data	USB 2.0, Type-C charging/data	USB 2.0, Type-C charging/data
Weight	269g	274g	240g	226g	260g
Dimension	160*71*17mm	166*71*17mm	162*18.75*23.22mm	158*76.2*12.6mm	162.5*77.5*14.5mm

• **Scanner**

Lightweight and easy to use, efficient decoding

Model	H10	H11	H12
Picture			
scanning method	Manual mode, induction mode, continuous mode	Induction mode, continuous mode	button trigger
Code reading accuracy	1D code ≥5mil 2D code ≥10mil	1D code ≥7.5mil 2D code ≥12.5mil	≥3mil
Interface	/	/	Supports USB HID-HW and Bluetooth wireless
Weight	348g	185g	45g

• **Scanner**

High-speed chip, faster decoding

Model	S11	S12	S13	S10	S14
Picture					
Bar code type	One-dimensional barcode	One-dimensional barcode	1D barcode 2D barcode	1D barcode 2D barcode	1D barcode 2D barcode
scanning method	button trigger	button trigger	button trigger	button trigger	button trigger
Code reading accuracy	≥5mil	≥3mil	≥4mil	1D code ≥5mil 2D code ≥7mil	1D code ≥4mil 2D code ≥7mil
Weight	125g	175g	145g	182g	190g

**AIYIN**

Xiamen AiYin Technology Co., Ltd.

Xiamen AiYin Technology Co., Ltd. a potential enterprise for smart label printers in China. And it is a service provider of digital label management solutions.

Company core brand-AIYIN  
Global Smart Label Printing Rookie Brand

National high-tech enterprise  
AAA credit enterprise  
Electronic waybill printer industry standard drafting unit

100<sup>+</sup> R&D Team  
30000<sup>+</sup> Research and production base  
100<sup>+</sup> Invention patent



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