

# AI-PR-TT-P420/P430 Thermal Printer



## Features

- Smooth printing experience
- Large supplies capacity – 300 meters (984') ribbon supply or 110 meters (361') ribbon supply on a 12.7 mm (0.5") core
- Print width up to 108 mm—supports multiple media types
- Position adjustable sensor – print precisely
- Automatic calibration – speed up printing test
- Media window design – easily check supplies stock status
- High-class thermal printing head – clear print quality and enhance durability
- User friendly design for easy installing media and ribbon
- USB 2.0 fast transmission speed
- Print quietly – low operation noise providing quality working environment
- Optimized heat radiation design – durable for large volume printing

## Typical Application

- Shelf Labeling
- Compliance Labeling
- Receipt/Coupon Printing
- Shipping & Receiving
- File-Folder Labeling
- Asset Tracking
- Specimen Labeling
- Patient Tracking



Fast speed  
printing



User friendly  
design



Varied printing  
application



Reliable &  
stable



Power saving



Clear print  
quality

## Specifications

PRINTER MODEL	AI-PR-TT-P420	AI-PR-TT-P430
Resolution	8 dots/mm (203 DPI)	12 dots/mm (300 DPI)
Printing method	Thermal Transfer & Direct Thermal	
Max. print speed	152 mm(6")/ second	102 mm(4")/ second
Max. print width	108 mm (4.25")	105.6 mm (4.16")
Max. print length	25,400 mm (1,000")	11,430 mm (450")
Enclosure	PC and ABS plastic	
Physical dimension	211 mm(W) x 164 mm(H) x 279 mm(D) 8.31"(W) x 6.46"(H) x 10.98"(D)	
Weight	2.0 kg (4.41 lbs.)	
Label roll capacity	127 mm (5")OD	
Ribbon	300 m long, max. OD 67 mm, 1" core (ink coated outside) 110 m long, max. OD 40 mm, 0.5" core (ink coated outside)	
Ribbon width	40 mm ~ 110 mm (1.6" ~ 4.3")	
Processor	32-bit RISC CPU	
Memory	P420/P430: 16MB Flash, 64MB SDRAM	
Interface	P420/P430: USB 2.0 + Ethernet	
Power	External universal switching power supply · Input : AC 100-240V, 2.0A, 50-60Hz · Output : DC 24V, 2.0A, 48W	
Operation switch, button, LED	· 1 Power switch · 1 operation button (pause/feed) · 1 LED (3 colors : green 、 orange & red)	
Sensors	· Transmissive gap sensor · Black mark reflective sensor · Ribbon end sensor · Head open sensor	
Internal fonts	· 8 alpha-numeric bitmap fonts · Windows font can be downloaded by software	
Bar code	· 1D barcode Code 128UCC, Code 128 subsets A, B, C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Code 39, Code 39 with check digit, Code 93, EAN13, EAN8, UPCA, UPCE, EAN and UPC 2 (5) digits add-on, Codabar, Postnet, MSI, MSI with check digit, PLESSEY, China post, ITF14, Code 11, TELEPEN, TELEPENN, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS · 2D barcode GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417	
Font and barcode rotation	0° 、 90° 、 180° 、 270°	
Printer language	TSPL-EZD (Compatible with EPL, ZPL, ZPL II, DPL)	
Media type	Continuous 、 die-cut 、 black mark 、 fan-fold (outside wound)	
Media width	19 ~ 118 mm (0.8" ~ 4.6")	
Media thickness	0.06 ~ 0.19 mm (2.36 ~ 7.48 mil)	
Media core diameter	25.4 mm (1.0")	
Label length	5 ~ 25,400 mm (0.2" ~ 1000")	5 ~ 11,430 mm (0.2" ~ 450")
Environment condition	Operation: 0 ~ 40°C, humidity (non-condensing) 10 ~ 85% Storage: -20 ~ 60°C, humidity (non-condensing) 5 ~ 90%	

