TWO MODES, ONE PRINTER, INFINITE POSSIBILITIES

INTUITIVE SERIES - DESKTOP THERMAL TRANSFER BARCODE LABEL PRINTERS

PD-402T/PD-402TES/PD-402TBW/PD-402TESBW MODELS

PD-402T SERIES

Meet the ultimate printing hybrid powerhouse: Seamlessly switch between direct thermal and thermal transfer modes. Premium MCU minimizes jams; sensors lock in alignment for both modes. Patented tech flattens ribbons for wrinkle-free clarity, while thermal transfer's carbon ribbon magic ensures prints that last. High-speed performance, low-noise design, smart temp control, and large-capacity compartments—this is how you outperform, outpace, and outlast the competition.

【Model】
PD-402T/PD-402TES/
PD-402TBW/PD-402TESBW

【Print Speed】
152mm/s (max)
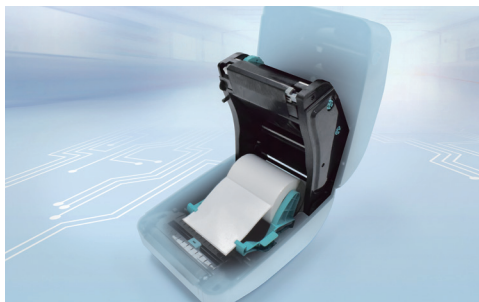
【Printing Method】
Direct Thermal & Thermal
Transfer

【Printing Width】
108mm (max)

【Interface】
USB + Serial + Ethernet +
Bluetooth + Wi-Fi (optional)

BRAINS BEHIND THE BRILLIANCE

Flexible Dual-Mode Printing

Supports both direct thermal and thermal transfer printing modes, adaptable to diverse materials and applications.

Premium MCU Main Control System

Next-gen MCU main control system with large-capacity external flash memory minimizes paper jams and incomplete prints.

Smart Temp Control

A built-in temperature control system auto-adjusts print head temperature in real time, ensuring stable, reliable performance during extended use.

CRISP, CLEAR, EVERY TIME

Precision Sensor Alignment

Advanced sensor technology ensures precise ribbon and label positioning, minimizing frustrating misalignment and boosting print quality and efficiency.

Patented Ribbon Flattening Technology

Our innovative design prevents ribbon wrinkling, guaranteeing sharp, stable prints even at high speeds. Say goodbye to blurry or uneven text.

Thermal Transfer Excellence

With thermal transfer technology, ink adheres firmly to labels, creating fade-resistant, long-lasting labels.

SPEED, SILENCE & SEAMLESS WORKFLOW

Speed & Serenity

Built with an advanced printing engine, the printer delivers rapid output with reduced noise levels, ensuring efficient performance in quiet environments—the perfect balance of speed and serenity.

Bluetooth & Wi-Fi Dual Connectivity

Equipped with both Bluetooth and Wi-Fi connectivity, this printer allows for seamless switching between the two connection types, ensuring a hassle-free printing experience.

*For Wi-Fi models.
*The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc.

Multi-Device Ecosystem

Supports 32 PCs via WiFi or simultaneous 1 Android + 1 iOS connection via Bluetooth. Share tasks effortlessly.

*For Wi-Fi models.

Large-Capacity Compartment

The generously sized paper compartment reduces reloading frequency, streamlining workflow and boosting efficiency.

ONE PRINTER, INFINITE POSSIBILITIES

🗞 Versatile Consumable Compatibility

Gap labels, continuous labels, black mark labels, folded labels, coated labels, perforated labels, barcode ribbons—all compatible, all reliable.

📍 All-Round Applications

Reliable printing solutions for manufacturing, asset management, automotive electronics, warehousing, smart logistics, and healthcare.

PD-402T Series

Desktop Thermal Transfer
Barcode Label Printer

Model	PD-402T	PD-402TES	PD-402TBW	PD-402TESBW
General				
Resolution	203DPI	203DPI	203DPI	203DPI
Printing Method	Direct Thermal / Thermal Transfer	Direct Thermal / Thermal Transfer	Direct Thermal / Thermal Transfer	Direct Thermal / Thermal Transfer
Interface	USB	USB+Serial+Ethernet	USB+Bluetooth+WiFi	USB+Serial+Ethernet+ Bluetooth+WiFi
Emulation	TSPL, ZPL, CPCL, DPL, EPL	TSPL, ZPL, CPCL, DPL, EPL	TSPL, ZPL, CPCL, DPL, EPL	TSPL, ZPL, CPCL, DPL, EPL
Sensor	Gap sensor/open cover sensor/black label sensor/carbon detection sensor			
Tearing Mode	Paper knife (standard)；External cutter (full cut/half cut), stripper (optional)			
Printing				
Print Speed	152mm/s (max)	152mm/s (max)	152mm/s (max)	152mm/s (max)
Printing Width	108mm (max)	108mm (max)	108mm (max)	108mm (max)
Printing Length	1778mm (max)	1778mm (max)	1778mm (max)	1778mm (max)
Bar Code Forma	Code128, EAN128, ITF, Code39, Code93, EAN13, EAN13+2, EAN13+5, EAN8, EAN8+2, EAN8+5, CodeBar, Postnet, UPC-A, UPC-A+2, UPC-A+5, UPC-E, UPC-E+2, UPC-E+5, MSI, MSIC, PLESSEY, CPOST, ITF14, EAN14, Code11			
2D Code Format	QR code, PDF417, Micro PDF 417, DataMatrix, AZTEC			
Character Enlargement/Rotation	1-10x magnification /0°, 90°, 180°, 270° rotation/mirror printing			
Character	GB18030, BIG5, ASCII	GB18030, BIG5, ASCII	GB18030, BIG5, ASCII	GB18030, BIG5, ASCII
Extended Character	PC437, Katakana, PC850, PC860, PC863, PC865, West Europe, Greek, Hebrew, East Europe, Iran, WPC1252, PC866, PC852, PC858, IranII, Arabic, PT151, PC747, WPC1257			
Character Size	9x17dot, 12x24dot, 24x24dot	9x17dot, 12x24dot, 24x24dot	9x17dot, 12x24dot, 24x24dot	9x17dot, 12x24dot, 24x24dot
Media & Ribbon				
Paper Type	Gap label, continuous label, black mark label, folded label, coated label			
Roll Width (including backing paper)	20~118mm	20~118mm	20~118mm	20~118mm
Roll Thickness (including backing paper)	0.06~0.254mm	0.06~0.254mm	0.06~0.254mm	0.06~0.254mm
Paper Reel Core	25.4mm	25.4mm	25.4mm	25.4mm
Roll Outside Diameter	127mm (OD)	127mm (OD)	127mm (OD)	127mm (OD)
Ribbon Width	30~110mm	30~110mm	30~110mm	30~110mm
Ribbon Length	300m	300m	300m	300m
Ribbon Axis Size	25.4mm	25.4mm	25.4mm	25.4mm
Ribbon Outer Diameter	67mm (OD)	67mm (OD)	67mm (OD)	67mm (OD)
Ribbon Winding Form	Roll-out	Roll-out	Roll-out	Roll-out
Feed	Front exit	Front exit	Front exit	Front exit
Memory				
Sdram	Sdram 8MB	Sdram 8MB	Sdram 8MB	Sdram 8MB
Flash	Flash 8MB (expandable)	Flash 8MB (expandable)	Flash 8MB (expandable)	Flash 8MB (expandable)
Power & Environment				
Power	Input power supply: AC100 ～240V 50/60Hz; Output power: DC 24V~2.5A			
Working Environment	Operating temperature: 0~45°C; Operating humidity: 20~90%			
Storage Environment	Storage temperature: -10~60°C; Storage humidity: 10~90%			
Physical				
Print Head Life	150km (print rate 18.5%)	150km (print rate 18.5%)	150km (print rate 18.5%)	150km (print rate 18.5%)
Dimension	274 * 213 * 191 mm	274 * 213 * 191 mm	274 * 213 * 191 mm	274 * 213 * 191 mm
Weight	2.54 kg	2.54 kg	2.54 kg	2.54 kg
Accessories				
Accessories (standard)	1. Power adapter; 2. Power cord; 3. USB cable; 4. Quick Installation Guide; 5. Labels; 6. Ribbon strip axis *2; 7. Ribbon			
Accessories (optional)	External roll holder	External roll holder	External roll holder	External roll holder

PANTUM

Running Forward