



Polaroid P420T Barcode Printer

The P420T thermal transfer desktop printer provides an economic solution to handle your most demanding label printing applications. It features a fast 5 inches per second print speed, a large 5" OD media cabinet and an industry best 300 meter ribbon capacity to deliver the best quality and lowest total cost of ownership for desktop label printing.

SUPERIOR, FAST, AFFORDABLE PERFORMANCE

Features:

- Dual-motor gear driven design
- 127 mm (5") inches per second print speed
- 300 meter (984') ribbon supply on a 25.4 mm (1") core (coated side out)
- 127 mm (5") OD internal media supply, optional external media holder supports 214 mm (8.4") OD label rolls on 76.2 mm (3") core
- Print mechanism for kiosk applications
- 200 MHz 32-bit RISC processor with 8 MB SDRAM, 4 MB Flash memory
- USB 2.0
- Internally scalable true type fonts
- TSPL-EZ™ firmware emulates TPLE and TPLZ languages out of the box
- Free bundled labeling software and Windows drivers
- 2 year limited warranty
- ENERGY STAR® qualified

Applications:

- **Manufacturing & Warehousing**
 - Work in Progress
 - Item Labels
 - Instruction Labels
 - Agency Labels
- **Healthcare**
 - Patient Identification
 - Pharmacy
 - Specimen Identification
- **Parcel Post**
 - Shipping Labels
 - Receiving Labels
- **Small/Home Office**
- **Retail Marking**
 - Price Tags
 - Shelf Labels
 - Jewelry Tags

Specifications

Resolution

8 dots/mm (203 DPI)

Printing Method

Thermal Transfer & Direct Thermal

Maximum Print Speed

127 mm (5")/second

Maximum Print Width

108 mm (4.25")

Maximum Print Length

2,794 mm (110")

Enclosure

ABS Plastic

Physical Dimension

224 mm (W) x 186 mm (H) x 294 mm (D)
8.82" (W) x 7.32" (H) x 11.57" (D)

Weight

2.45 kg (5.4 lbs)

Label Roll Capacity

127 mm (5") OD

Ribbon

300 m long, max. OD 67 mm, 1" core
(ink coated outside)

Processor

32-bit RISC CPU

Memory

- 4 MB Flash memory
- 8 MB SDRAM
- microSD card reader for Flash memory expansion, up to 4 GB

Interface

- USB 2.0
- RS-232 (factory option)
- Centronics (factory option)
- Internal Ethernet, 10/100 Mbps (factory option)
- Bluetooth (user option)
- External 802.11 b/g/n wireless (user option)

Power

- External universal switching power supply
- Input: AC 100-240V, 1.8A, 50-60Hz
- Output: DC 24V, 2.5A, 60W

Operation switch, button, LED

1 power switch, 1 feed button & 1 LED
(3 colors: green, amber & red)

Sensors

- Transmissive gap sensor (position adjustable)
- Black mark reflective sensor (position adjustable)
- Ribbon end sensor
- Head open sensor

Real Time Clock

Standard

Internal Fonts

- 8 alpha-numeric bitmap fonts
- Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font

Barcode

- 1D barcode
Code 39, Code 93, Code 128UCC, Code 128 subsets A, B, C, Codabar, Interleaved 2 of 5, EAN-8, EAN-13, EAN-128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China POST, GS1 DataBar, Code 11
- 2D barcode
PDF-417, Maxicode, DataMatrix, QR code, Aztec, GS1 DataBar Composite Code

Font and barcode rotation

0, 90, 180, 270 degree

Printer Language

TSPL-EZTM (Compatible to EPL, ZPL, ZPL II)

Media Type

Continuous, die-cut, black mark, fan-fold, notched
(outside/inside wound)

Media Width

25.4 ~ 118 mm (1.0" ~ 4.6")

Media Thickness

0.06 ~ 0.254 mm (2.36 ~ 10 mil)

Media Core Diameter

25.4 ~ 38 mm (1" ~ 1.5")

Label Length

10 ~ 2,794 mm (0.39" ~ 110") 10 ~ 1,016 mm
(0.39" ~ 40")

Environment Condition

Operation: 5 ~ 40°C, 25 ~ 85% non-condensing
Storage: -40 ~ 60°C, 10 ~ 90% non-condensing

Safety Regulation

FCC Class A, CE Class A, CCC, ENERGY STAR®

Environmental Concern

Comply with RoHS, WEEE

Accessories

- Windows labeling software CD disk
- Quick start guide
- USB cable
- Power cord
- External universal switching power supply
- Label spindle, fixing tab x 2
- Ribbon spindle x 2
- Ribbon paper core

Limited Warranty

- Printer: 2 years
- Print head: 25 km (1 million inches) or 12 months, whichever comes first
- Platen: 50 km (2 million inches) or 12 months, whichever comes first

Factory Options

- RS-232 serial interface
- 128 x 64 pixels graphic type LCD display with back light
- Centronics parallel interface
- Internal Ethernet interface (10/100 Mbps)

Dealer Options

- Peel-off module
- Guillotine cutter (full cut or partial cut)

User Options

- External roll mount, media OD. 214 mm (8.4") with 76.2 mm (3") core
- Bluetooth module (serial interface)
- 802.11 b/g/n wireless module (serial interface)
- 1.5" core adapter x 2
- KP-200 Plus keyboard display unit
- KU-007 Plus programmable smart keyboard



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