



**Honeywell**

# PB22, PB32 & PB50

## Rugged Mobile Label Printers

A speedy choice for customers with demanding applications in warehouse, distribution, in-store retail and enterprise asset management, Honeywell's PB22, PB32 and PB50 rugged mobile label printers help organizations improve productivity and efficiency while lowering the total cost of ownership.

With ultra-fast print speeds and faster time-to-first-label than competing products, these printers deliver measurable improvements in worker productivity and accuracy. Unique design elements, such as the label gap and label take sensors, help maintain productivity while reducing waste.

PB series printers are a perfect complement to Honeywell mobile computers and software. Shared accessories across the family add flexibility and reduce spares inventory and associated costs. Genuine Honeywell media options, co-engineered specifically for the PB series, ensure consistently high print quality across a range of applications.

Characterized by a wide variety of options and a highly adaptable design, PB series printers feature drop-in media loading, adjustable media holders, and the flexibility to printer either receipts or labels—so workers can easily change tasks without changing equipment. A choice of secure wired and wireless interfaces (WLAN, Bluetooth®, Serial, USB) fits easily into varied network infrastructures.



*Rugged PB22, PB32 and PB50 printers are ready to ramp up productivity in the most demanding in-store retail, DC or warehouse environments.*

The rugged design of the PB series means dependable performance—day after day. Built to thrive in the same environments as Honeywell's rugged computers and scanners, these printers have a 1.5 m (5 ft) drop spec, IP54 seal rating, and forklift-strength shock and vibration specifications.

## FEATURES & BENEFITS



Built to survive real-world mobility demands, with a 1.5 m (5 ft) drop spec and IP54 seal rating.



Sophisticated sensors and intuitive LCD display minimize wasted time troubleshooting.



Seamless integration with Honeywell mobile computers and other mobile devices.



Secure wire or wireless communication options, including Bluetooth®, WLAN, USB, and serial.



Co-engineered with Genuine Honeywell Media Supplies for guaranteed label quality.

# PB22, PB32 & PB50 Technical Specifications

## PHYSICAL CHARACTERISTICS

**PB22:**  
Width: 101 mm (4 in)  
Height: 176 mm (6.9 in)  
Depth: 71 mm (2.8 in)  
Weight (with battery): 678 g (23.9 oz)

**PB32:**  
Width: 127 mm (5 in)  
Height: 182 mm (7.2 in)  
Depth: 81 mm (3.2 in)  
Weight (with battery): 828 g (29.2 oz)

**PB50:**  
Width: 160 mm (6.3 in)  
Height: 174.5 mm (6.9 in)  
Depth: 78.8 mm (3.1 in)  
Weight (with battery): 1189 g (42.0 oz)

## ENVIRONMENT

**Operating temperature:** -15°C to 50°C  
(5°F to 122°F)

**Storage temperature:** -30°C to 70°C  
(-22°F to 158°F)

**Humidity:** 10 to 90% (non-condensing)

**Sealing:** IP54 (excludes paper path)

**Drop spec (PB22/32)** 2 m (6.5 ft) multiple drops to concrete with optional protective case

**Drop spec (PB50):** 1.5 m (5 ft.) drops to concrete; 26 times including all corners and sides

## POWER

**PB22/32:** 7.4 V Li-Ion, 2.3 Ah, rechargeable battery (typical)

**PB50:** 14.8 V Li-Ion, 2.2 Ah, rechargeable battery

## MEMORY

**RAM:** 16 MB

**Flash:** 64 MB

## STANDARD COMMUNICATIONS

RS-232 Serial  
USB v.2.0

## OPTIONAL COMMUNICATIONS<sup>1</sup>

Bluetooth® (v2.0, Class 1)  
802.11b/g (excludes ETSI models)  
802.11b/g/n Dual-Band (2.4GHz) & 802.11a (5GHz)  
(ETSI models only)

## WIRELESS SECURITY

**Authentication & Encryption Options:** WEP (64 & 128 bit); LEAP; WPA-PSK (TKIP / RC4); WPA2/802.11i-PSK (CCMP / AES);EAP-TLS, -TTLS, -PEAP, -FAST

## PRINT SPEED AND RESOLUTION

4 ips (101.6 mm/sec)  
203 dpi (8 dots/mm)

## PRINT TECHNOLOGY

**Printhead:** Direct thermal

## MEDIA

**Type:** Labels or receipt media

**Honeywell Genuine Media Supplies:**

Labels and Tags: Duratherm II, Duratherm III, Duratherm NIR, Duratherm III IR, Duratherm III Synthetic, Duratherm III Linerless, Duratherm II 5-mil Tag

Receipts: Duratherm Receipt II, Duratherm Receipt III

**Media Width Ranges:**

PB22: 25.4 mm to 55.88 mm (1 to 2.2 in)

PB32: 30.48 mm to 83.82 mm (1.2 to 3.3 in)

PB50: 49 mm to 111.5 mm (2 to 4.39 in)

**Core ID:** 19 mm (0.75 in) standard, 10.16 mm (0.4 in) supported

**Max OD:**

PB22: 57.2 mm (2.25 in)

PB32: 67.3 mm (2.65 in)

PB50: 67.3 mm (2.65 in)

## CHARACTER SETS

**Standard:** English and Latin

**Optional:** Western European, ASCII, CodePage 850, Central European, Cyrillic, Latin, Greek, Turkish, Hebrew, Arabic, Baltic, Baltic RIM, Vietnamese, Thai, Simplified Chinese, Traditional Chinese, Korean, UTF-8

## GRAPHICS

Supports user-defined fonts, graphics, formats and layouts, including custom logos

## BARCODE SYMBOLOGIES

All major 1D and 2D symbologies are supported.

## USER INTERFACE

LCD and 4 buttons: standby, paper feed, setup, info four audio status indicators: error alert, hardware change alert, button press alert and startup alert.

## ACCESSORIES

Hand strap, shoulder strap, belt clip, protective case, cart mount, vehicle mount, battery pack, four-bay battery charger, A/C adapter, A/C power cord, truck power cable adapter, truck power cable, forklift power cable, serial cable

## SAFETY APPROVALS

**North America:** UL and cUL Listed, UL 60950-1

**Europe:** D Mark, EN 60950-1; CE marked

**Mexico:** NYCE Certified, NOM 19

**Other Countries:** IEC 60950-1

## EMC APPROVALS

USA FCC Title 47, Part 15, Subpart B, Class B; Europe EMC Directive (EN55022 Class B + EN55024); CISPR22

## SOFTWARE

**Programming Languages:** IPL, Fingerprint, ZSim (ZPLII Simulation), ESC-P, DSim (DPL), CSim (CPCL)

**Applications:** PrintSet Configuration Utility; Bartender Ultralite Labeling Software; SmartSystems™ Foundation Console/Server Software; Bootloader Utility; Drivers & Support for Linux/BSD (1.1,1.2), SAP, & Wavelink® Avalanche; InterDriver Printer Drivers for Microsoft® Windows® operating system

## WARRANTY

One year; additional Honeywell Repair Services packages available

<sup>1</sup>Not all communication options are available in all regions. Contact your Honeywell representative for more information.

For a complete listing of all compliance approvals and certifications, please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance).

For a complete listing of all supported barcode symbologies, please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies).

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