Product profile



PB22/32/50

Rugged Mobile Label Printers

- The industry's fastest 2, 3, and 4 inch rugged mobile label printers
- Built rugged to survive real-world industrial and retail environments
- Two to three times faster time-to-first-label than competitive products
- Low cost of development, deployment and support
- Seamless integration with Intermec mobile computers and other mobile devices
- Secure wired and wireless communications options: Bluetooth®, 802.11 b/g, USB, Serial
- Label sensors minimize printing errors and reduce waste
- SmartSystems® remote device management reduces support needs
- Optimized for Intermec media, including linerless label media options

The Intermec rugged mobile label printer family delivers the fastest choice for customers with demanding applications in warehousing, distribution, in-store retail and enterprise asset management. Coupled with Intermec rugged mobile computers and software, the PB22, PB32 and PB50 mobile label printers help companies improve productivity and efficiency while lowering the total cost of ownership.

With ultra-fast print speed and proven two to three times faster time-to-first-label* than competitive 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.

The PB label printer family is built on a common electrical and mechanical foundation, and integrates closely with Intermec mobile computers and software, including Intermec Terminal Emulation (ITE) and Intermec SmartSystems®. This integrated approach provides significant efficiencies in development, deployment and support, and optimizes speed and performance. Intermec SmartSystems provides remote monitoring and diagnostics to networked devices so problems can be resolved quickly. Shared accessories across the family add flexibility and reduce spares inventory and costs. Intermec media options, designed specifically for the PB printers, ensure consistently high print quality across a range of applications.

Leveraging the Intermec platform gives companies a solution that can adapt and grow with their needs. As "smart" printers, the rugged PB printers can host stand-alone applications developed through Intermec Fingerprint programming to address custom requirements today or in the future, without the need to upgrade hardware.

The printers' comprehensive options and easy adaptability meet a range of application needs. Drop-in media loading, adjustable media holders, and the flexibility to print either receipts or labels enables workers to easily change tasks without changing equipment. A choice of secure wired and wireless interfaces (802.11 b/g, BT, Serial, USB) allows you to select the one that fits your environment. Multiple carrying options are available, including belt clip, shoulder strap and vehicle mount.

The rugged design of the PB22, PB32 and PB50 printers means performance you can depend on, day after day. Built

Intermec®

*Based on tests conducted by Intermec Technologies 03-04/09. For a copy of the test data, please contact Intermec Printer Marketing.

to thrive in the same environment as Intermec computers, the printers have a 5 foot multiple drop spec, IP54 seal rating, and forklift-strength shock and vibration specs, minimizing repairs and downtime. When issues do arise, Intermec Medallion Complete service contracts deliver peace-of-mind and insurance against unbudgeted repair costs.

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 (23.9oz)

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

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: 1.5m (5 ft.) drops to concrete; 26 times including all corners and sides
PB22/32: 2m (6.5 ft) multiple drops to concrete with optional protective case

Power
PB22/32: 7.4V Li-Ion, 2.3 Ah, rechargeable battery (typical)
PB50: 14.8V Li-Ion, 2.2 Ah, rechargeable battery

Memory
RAM: 16MB
Flash: 64MB

Standard Communications
RS-232 Serial
USB v.2.0

Optional Communications
Bluetooth® (v2.0, Class 1)
802.11b/g

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

Print Speed and Resolution
4ips (101.6mm/sec)
203 dpi (8 dots/mm)

Print Technology
Printhead: Direct thermal

Media
Type: Labels or receipt media
Intermec Media:
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: 25.4mm to 55.88mm (1 to 2.2 in)
PB32: 30.48mm to 83.82mm (1.2 to 3.3 in)
PB50: 49mm to 111.5mm (2 to 4.39 in)
Core ID: 19mm (0.75 in) standard, 10.16 mm (0.4 in) supported
Max OD:
PB22: 57.2mm (2.25 in)
PB32: 67.3mm (2.65 in)
PB50: 67.3mm (2.65 in)

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

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

Warranty
One year; additional Medallion service packages available

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