

Intermec PB22/32/50

Rugged Mobile Label Printers



Features

- *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 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.

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 (23.9oz)
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	7.2V Li-Ion, 2.25 Ah, rechargeable battery
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
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	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
Accessories	Supports PCX file format. (Fingerprint Only) Other graphic formats supported with Label Generation Tools
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