Quick Comparison Guide: Mobile Printers (1)

Intermec by Honeywell

	RUGGED RECEIPT PRINTERS				RUGGED LABEL PRINTERS			
Description	2, 3 and 4 inch rugged mobile receipt printers				2, 3, and 4 inch rugged mobile label printers			
Target Applications	In-Store Retail (line busting, payment transactions, coupons, rainchecks), DSD (route accounting, payment transactions), Field Service (invoices, delivery receipts, service estimates) and Home Delivery. Demanding mobile environments where ruggedness and reliability are critical to worker productivity and total cost of ownership.				Warehousing, manufacturing, distribution, asset management and retail applications, as well as healthcare and public safety. Demanding environments where accuracy and speed are key performance indicators. Typical applications include asset labeling, shelf labeling/re-labeling, tote identification, re-stocking, product pricing, markdowns, specimen labeling.			
	Intermec PB21 / PB31 / PB51	**Datamax-O'Neil** 2te / 4te	**Zebra** RW220 / RW420	**O'Neil** LP3	**Intermec** PB22 / PB32 / PB50	**Zebra** QL220 / 320Plus / 420Plus	**Toshiba** B-EP2 / BEP4	**Sato** MB400
Configurations	2" / 3" / 4" Optional Mag Stripe Reader Optional Smart Card Reader (for 2" / 3" only)	2" / 4" Optional Mag Stripe Reader	2" / 4" Optional Mag Stripe Reader	3"	2" / 3" / 4"	2" / 3" / 4"	2" / 4"	4"
Starting List with Battery	$710 / $780 / $850	$550 / $1125	$970 / $1125	$995	$865 / $995 / $1150	$1049 / $1195 / $1295	$750 / $950	$1,195
Differentiators	• Fastest time-to-first-receipt • Optimized for Intermec computers • Rugged (drop spec, 50 G mount & only 3"rugged mobile receipt printer) • Easy to set up, use and support • Smart Printing And: more memory, shared accessories				• Fastest time-to-first-label • Optimized for Intermec computers, media, software • Rugged (drop spec, 50 G mount) • Easy to set up, use and support • Smart Printing And: more memory, shared accessories			
Printing Method	Direct Thermal	Direct Thermal	Direct Thermal	Direct Thermal	Direct Thermal	Direct Thermal	Direct Thermal	Direct Thermal
Max Media Width	2.20/3.30/4.39 in. (55.9 / 83.8 / 111.5 mm)	2.25 / 4.41 in. (57 / 112 mm)	2.37 / 4.12 in. (60 / 105 mm)	1 – 3 in. (25.40 – 76.20 mm)	2.20 / 3.30 / 4.39 in. (55.9 / 83.8 / 111.5 mm)	1.89/2.90/4.09 in. (48/73.7/103.9 mm)	2.28 – 4.53 in. (58 – 115 mm)	1.90 – 4.30 in. (50 – 111 mm)
Media Type	Receipt or Label	Receipt or Label	Receipt or Label Limited label support	Receipt	Label or Receipt (incl. floodcoat, linerless)	Label or Receipt	Label or Receipt	Label only
Weight with battery	1.49 / 1.82 / 2.62 lb (.68 / .83 / 1.20 kg)	.95 / 1.75 lb (0.44 / 0.79 kg)	1.45 / 2.10 lb (.65 / .95 kg)	2.80 lb. (1.26kg)	1.49 / 1.82 / 2.62 lb (.68 / .83 / 1.20 kg)	1.35 / 1.77 / 2.15 lb (.60 /.80 /.98 kg)	1 / 1.90 lb (.48 / .86 kg)	2 lb (.91 kg)
Max Print Speed	4 ips	2 ips	3 ips	2 ips	4 ips	3 / 4 / 3 ips	4 ips	4 ips
Memory	16MB RAM, 64MB Flash	2MB RAM, 4MB Flash	16MB RAM, 8MB Flash	2MB RAM, 4MB Flash	16MB RAM, 64MB Flash	16MB RAM, 8MB Flash	16MB RAM, 8MB Flash	16MB RAM, 8MB Flash
User Interface	Programmable LCD, 4 buttons and 4 audio status indicators. Fully functional setup menu in FP/DP and Fingerprint.	LED indicators for Bluetooth, charging and power status.	LCD and 4 buttons. Label Vista must be used to change settings.	LEDs, power button, battery gauge, feed button, radio button.	Programmable LCD, 4 buttons and 4 audio status indicators. Fully functional setup menu in FP/DP and Fingerprint.	LCD and 4 buttons. Label Vista must be used to change settings.	Backlit LCD, keypad, beeper, LED	LED and buzzer status indication; backlit LCD (WLAN version only)
IP Rating	IP54 (excluding paper path)		IP54		IP54 (excluding paper path)	IP54	IP54 with optional case	
Drop Spec	5 ft (MIL-STD 810 F) 6.5 ft (with optional case)	6 ft	6 ft	4 ft	5 ft (MIL-STD 810 F) 6.5 ft (with optional case)	5 ft	6 ft	5 ft
Accessories	*Hand strap, *shoulder strap, belt clip, protective case, *cart mount,* vehicle mount, *battery, *4-bay charger, *AC adapter, *cigarette lighter adapter, *truck power cable adapter, *truck/ forklift power cables, *data cable, *cleaning cards. (*PB Series Shared)	Swivel belt loop, swivel-mount bracket, swivel-mount shoulder strap, AC adapter, cigarette lighter adapter, data cable, battery, cleaning cards	AC adapter, data cable, battery, quad external battery charger, cleaning cards, hand strap, vehicle dock	AC adapter, data cables, battery, DB9 F cable (coiled), cigarette lighter adapter, dual external battery charger, cleaning cards, hand strap, cleaning kit	*Hand strap, *shoulder strap, belt clip, protective case, *cart mount,* vehicle mount, *battery, *4-bay charger, *AC adapter, *cigarette lighter adapter, *truck power cable adapter, *truck/ forklift power cables, *data cable, *cleaning cards. (*PB Series Shared)	AC adapter, data cable, battery, quad external battery charger, cleaning cards, hand strap	Spare battery, shoulder strap, 1 & 6 slot chargers, IP54 rated carry case, linerless label kit, AC & DC adapters	Battery Charger (single), AC adapter, quick guide, shoulder strap, shoulder bag with raintight cover, belt bag
Printer Languages	IPL, Fingerprint, ZSim, (ZPLII Simulation), ESC/P, DSim (DPL), CSim (CPCL)	ESC/P, Line Printer Mode, Easy Print®	EPL2, CPCL-native, ZPL, XML	Line Printer Mode, Easy Print®	IPL, Fingerprint, ZSim, (ZPLII Simulation), ESC/P, DSim (DPL), CSim (CPCL)	EPL2, CPCL-Native; ZPL, XML	TPCL, LABEL, RECEIPT, ESC/POS, BCI	SPBL
Wireless Options	BT, WLAN	BT, WLAN	BT, WLAN	BT, WLAN	BT, WLAN	BT, WLAN	BT, WLAN	BT, WLAN
Security	WEP (64 and 128 bit) LEAP; WPA-PSK (TKIP / RC4); WPA2/802.11i-PSK (CCMP / AES); EAP-TLS, -TTLS, -PEAP, -FAST	40 bit (64 bit) WEP, 128 bit WEP, WPA, WPA2, LEAP EAP-FAST, EAP-PEAP, EAP-TTLS	VPN, WPA/WPA2, WEP, Kerberos, WPA-PSK, EAP-TLS, EAP-TTLS, EAP-FAST, LEAP, PEAP, 802.11i	40 bit (64 bit) WEP, 128 bit WEP, WPA, WPA2, LEAP EAP-FAST, EAP-PEAP, EAP-TTLS	WEP (64 and 128 bit) LEAP; WPA-PSK (TKIP / RC4); WPA2/802.11i-PSK (CCMP / AES); EAP-TLS, -TTLS, -PEAP, -FAST	VPN, WPA	40 bit, 128 bit WEP	WEP 64/128bit, WPA, WPA (PSK, 802.1x), and EAP
Smart Printing	Host-driven printing & Fingerprint programming capability. Benefits include error proofing, stand-alone printing, BT scanner connectivity	Host-driven printing only	Host-driven printing only	Host-driven printing only	Host-driven printing & Fingerprint programming capability. Benefits include error proofing, stand-alone printing, BT scanner connectivity	Host-driven printing only	Host-driven printing only	Host-driven printing only
***Better Together*: Total Hardware Solution**	Designed and tested to work with Intermec mobile computers	Not optimized for Intermec mobile computers	Not optimized for Intermec mobile computers	Not optimized for Intermec mobile computers	Designed and tested to work with Intermec mobile computers	Not optimized for Intermec mobile computers	Not optimized for Intermec mobile computers	Not optimized for Intermec mobile computers

FAST — Max Print Speed, Memory, User Interface

RUGGED — IP Rating, Drop Spec, Accessories

SMART — Printer Languages, Wireless Options, Security, Smart Printing

Quick Comparison Guide: Mobile Printers (2)

Intermec by Honeywell

	COMMERCIAL RECEIPT PRINTERS			FULL PAGE IMPACT PRINTERS		WORKBOARD PRINTERS	
Description	2 and 3 inch wearable mobile receipt printers			Full-page impact printer for 8.5" X 11" multi-ply forms		Rugged 4 inch workboard printers with custom holders for mobile computers	
Target Applications	DSD, route accounting and field service applications with low volume printing needs. Retail line-busting, electronic citations and hospitality roving sales.			DSD, route accounting and field service applications. Generally used in fixed mount applications (permanently mounted in a truck) but can also be used as portable (luggable).		DSD, route accounting and field service applications that want the convenience of a computer and printer built into a single package	
	Intermec PB2 / PB3	**Zebra** MZ220 / MZ320	**Zebra** EM220	**Intermec** 6822	**O'Neil** microFlash 8i	**Intermec** PW50	**O'Neil** Print Pad
Configurations	2" / 3" Optional Mag Stripe Reader	2" / 3"	2" Optional Mag Stripe Reader	8"	8"	4" Optional Mag Stripe Reader Optional Smart Card Reader	4" Optional Mag Stripe Reader
Starting List	$599 / $699 (with BT)	$550 / $595 (with BT)	$650 (with BT)	$2,125	$1,450	$1200 / $1425	$1280 / $1570
Differentiators	Rugged, internal mag stripe reader option. Longer service, field replaceable battery. Secure belt loop. International character sets. Ships with everything needed to print.			Only full page portable printer with integrated holders for Intermec CK61, 700, CN3 and CN4 Series mobile computers.		Only workboard available with holders for Intermec CN3 and CN4 Series, and CK61 mobile computers. Fastest workboard printer available. Includes large memory to store fonts and graphics.	
Printing Method	Direct Thermal	Direct Thermal	Direct Thermal	Dot-matrix, bi-directional	Dot-matrix	Direct Thermal	Direct Thermal
Max Media Width	2.25 / 3.13 in. (57 / 79 mm)	2 / 3 in. (51 / 76 mm)	2.28 in. (58 mm)	8.50 in. (212 mm)	9.50 in. (229 mm)	4.25 in. (108 mm)	4.10 in. (104 mm)
Media Type	Receipt only	Receipt only	Receipt only	Full page receipt or report	Full page receipt or report	Receipt only	Receipt only
Weight with Battery	.92 / 1.10 lb (.42 / .52 kg)	.71 / .78 lb (.32 / .35 kg)	.52 lb. (.236 kg)	12.25 lb (5.67 kg)	11.37 lb (5.16 kg)	3.71 lb (1.69 kg)	3.53 lb (1.60 kg)
Max Print Speed	2.2/2 ips	3 ips	3 ips	2 pages per min	180 cpi (std) 270 cpi (BT/WLAN)	4 ips	2 ips
Memory	1MB RAM, 4MB Flash	8MB RAM, 4MB Flash	8MB RAM, 2MB Flash	512 kB	4MB RAM, 8MB Flash	16MB RAM, 64MB Flash	1MB RAM, 4MB Flash
User Interface	3 multifunction LEDs	LED	LED	LED	N/A	Multifunctional LEDs	N/A
IP Rating	IP54 (with optional case)	IP42	N/A	IP20	N/A	IP20	N/A
Drop Spec	PB2 - 5 ft PB3 - 3.3 ft	4 ft	4 ft	3 ft	3 ft	4 ft	4 ft
Accessories	Belt loop, shoulder strap, IP54 protective case, cleaning cards, cleaning pen, 2-bay battery charger, cigarette lighter adapter, serial cable, developers kit	Silicone skin, protective case, shoulder strap, 4-bay printer charger, vehicle adapter	Battery charger, belt strap, cleaning pen, leather case, data cable, EM Series quad charger, wall mount	Hand strap, AC adapter, cigarette lighter adapter, cleaning kits, shoulder strap, data cable, ribbon/purple ribbon, cradle for handheld, truck mount kit, soft case	AC adapter, MSR, cigarette lighter adapter, cleaning kits, shoulder strap, data cable, ribbon/purple ribbon, cradle for handheld, soft case, mounting brackets	Hand strap, shoulder strap, vehicle mount, cleaning card, battery, four-bay battery charger, A/C adapter, A/C power cord, truck power cable adapter, truck power cable, forklift power cable, serial cable, DEX cable	3" spindle bracket, hand strap, AC adapter, MSR, cigarette lighter adapter, cleaning kits, shoulder strap, data cable, truck mount kit
Printer Languages	ESC/P, XSIM	CPCL-native	CPCL	ESC/P	ESC/P	ESC/P	ESC/P
Wireless Options	BT, WLAN, IrDA	BT, WLAN, IrDA	BT	BT	BT	BT	BT
Security	WEP (64 and 128 bit) LEAP; WPA-PSK (TKIP); WPA2/802.11i-PSK (CCMP/AES)	Optional VPN license for 802.11b/g radio	N/A	N/A	N/A	N/A	N/A
Smart Printing	Host-driven printing only	Host-driven printing only	Host-driven printing only	Host-driven printing only	Host-driven printing only	Host-driven printing only	Host-driven printing only
***Better Together:* Total Hardware Solution**	Designed and tested to work with Intermec mobile computers	Not optimized for Intermec mobile computers	Not optimized for Intermec mobile computers	Designed and tested to work with Intermec mobile computers. Custom configurations with 700, CK61, CN3 and CN4 Series holders	Not optimized for Intermec mobile computers	Designed and tested to work with Intermec mobile computers. Holders available for CN3 and CN4 series, and CK61.	Not available with options for Intermec mobile computers

Left side vertical labels: FAST, RUGGED, SMART