







## Intermec Industrial Printers: Quick Reference

	Commercial Printers	Mid-Range Printers				High Performance Printers	Mobile Printers
Typical Volume (labels/day)	1,000-4,000	2,000-7,000				5,000-10,000+	varies
Intermec Printers	PD41/ PD42	PF2i	PF4i	PM4i	PX4i /PX6i	PB22/32/50	
							
Print Width, Max. (in)	4.09	2.2	4.16	4.16	4.4 / 6.6	2.2 / 3.3 / 4.39	
Resolution (dpi)	203, 300	203	203, 300	203, 300, 406	203, 300, 406	203	
Print Speed, Max (ips)	6	8	8	8	12 / 9	4	
Memory, Standard	4MB Flash, 8MB SDRAM	4MB Flash, 16MB SDRAM	4MB Flash, 16MB SDRAM	4MB Flash, 16MB SDRAM	4MB Flash, 16MB SDRAM	16MB RAM, 64MB Flash	
Memory, Optional	16MB Flash, 1GB CompactFlash	16MB Flash, 1GB CompactFlash	16MB Flash, 1GB CompactFlash	16MB Flash, 1GB CompactFlash	16MB Flash, 1GB CompactFlash		
Interfaces	Ethernet, USB, Serial, Parallel	Ethernet, USB, Serial, Parallel, 802.11b/g	Ethernet, USB, Serial, Parallel, 802.11b/g	Ethernet, USB, Serial, Parallel, 802.11b/g	Ethernet, USB, Serial, Parallel, 802.11b/g	Serial, USB, Bluetooth or 802.11g with WEP, LEAP, WPA/ WPA2	
RFID Option	No	Yes	No	Yes	Yes	No	
Weight (lbs)	28.7	12	17.7	24	28.4 / 32.6	23.9 / 29.2 / 42 oz with battery	
Size, LxHxW (in)	17.8 x 10.8 x 10.6	15.6 x 7 x 7.6 RFID: 15.6 x 8.1 x 7.6	15.9 x 7 x 9.6	21.4 x 10.3 x 11.7	19 x 9.4 x 10.8 / 19 x 9.5 x 13.2	4 x 6.9 x 2.8 / 5 x 7.2 x 3.2 / 6.3 x 6.9 x 3.1	

## Media Specifications

Label Roll Core ID (in)	1.5 or 3	1.5 or 3	1.5 or 3	1.5 or 3	1.5 or 3	0.75
Max Label Roll OD (in)	8.38	8.38	8.38	8.38	8.38	2.25 / 2.65 / 2.65
Std Ribbon Length (in)	18,000	18,000	18,000	18,000	18,000	
Ribbon Core ID (in)	1	1	1	1	1	1
Ribbon Orientation (Coated side In/Out)	CSI, CSO	CSI, CSO	CSI, CSO	CSI, CSO	CSI, CSO	

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## Industry-Leading Print Performance

### High Performance

Built for mission critical applications and 24x7 operation. Typically 5,000-10,000 labels per day.

FAMILY	MEDIA WIDTHS (mm)	CONNECTIVITY	MAX PRINT SPEED	PRINT RESOLUTION	PRINTER LANGUAGES
PX4i PX6i	120 170		PX4i = 12 ips (305 mm/sec) PX6i = 9 ips (225 mm/sec)	203 dpi 300 dpi 406 dpi	Fingerprint, IPL, ZSim (ZPL II), DSIm (DPL)



### Mid Range

Rugged and durable design for a wide range of applications. Typically 2,000-7,000 labels per day.

FAMILY	MEDIA WIDTHS (mm)	CONNECTIVITY	MAX PRINT SPEED	PRINT RESOLUTION	PRINTER LANGUAGES
PM4i	114		8 ips (200 mm/sec)	203 dpi 300 dpi 406 dpi	Fingerprint, IPL, ZSim (ZPL II), DSIm (DPL)
PF2i PF4i	56 114		8 ips (200 mm/sec)	203 dpi 300 dpi	Fingerprint, IPL, ZSim (ZPL II), DSIm (DPL)



### Commercial

For light duty industrial and commercial applications. Typically 1,000-4,000 labels per day.

FAMILY	MEDIA WIDTHS (mm)	CONNECTIVITY	MAX PRINT SPEED	PRINT RESOLUTION	PRINTER LANGUAGES
PD41/42	118		6 ips (150 mm/sec)	203 dpi 300 dpi	Fingerprint, IPL, ZSim (ZPL II), DSIm (DPL)



Key deployment environments: Warehouse, Distribution Center, Manufacturing, Transportation & Logistics, Healthcare.

## Enterprise Grade Mobile Printing

### Rugged Receipt Printers

For demanding printing environments where performance and reliability are critical for success.

FAMILY	PRINTER TYPE	MEDIA WIDTHS (mm)	CONNECTIVITY	MAX PRINT SPEED	RUGGEDNESS (drop spec)	IP RATING	PRINTER LANGUAGES
PB21/31/51	Receipt Direct thermal	57 83.8 111.5		4ips (101.6 mm/sec)	PB21/31 = 2m (6.5 ft) PB51 = 1.5m (5 ft) 26 times on all surfaces	IP54	IPL, Fingerprint, ZSim (ZPLII), ESC-P, DSIm (DPL), CSim (CPCL)



Key deployment environments: Field Service/ Sales, Direct Store Delivery, Postal/ Courier Express, Public Safety: e-Citation

### Rugged Label Printers

For demanding printing environments where accuracy and speed are key performance indicators.

FAMILY	PRINTER TYPE	MEDIA WIDTHS (mm)	CONNECTIVITY	MAX PRINT SPEED	RUGGEDNESS (drop spec)	IP RATING	PRINTER LANGUAGES
PB22/32/50	Label Direct thermal	55.8 83.8 111.5		4ips (101.6 mm/sec)	PB22/32 = 2m (6.5 ft) PB50 = 1.5m (5 ft) 26 times on all surfaces	IP54	IPL, Fingerprint, ZSim (ZPLII), ESC-P, DSIm (DPL), CSim (CPCL)



Key deployment environments: Warehouse, Healthcare, Retail In-Store, Postal/ Courier Express

### Durable Receipt Printers

Comfortable for all day wear and designed for light volume receipt printing applications.

FAMILY	PRINTER TYPE	MEDIA WIDTHS (mm)	CONNECTIVITY	MAX PRINT SPEED	RUGGEDNESS (drop spec)	IP RATING	PRINTER LANGUAGES
PB2 PB3	Receipt Direct thermal	48 72		2+ ips (56 mm/sec)	1.5 m (5 ft)	IP54	ESC-P, XSim



Key deployment environments: Field Service/ Sales, Direct Store Delivery, Postal/ Courier Express, Public Safety: e-Citation

### Workboard Printers

For specialty applications where full page or integrated solutions are required.

FAMILY	PRINTER TYPE	MEDIA WIDTHS (mm)	CONNECTIVITY	MAX PRINT SPEED	RUGGEDNESS (drop spec)	IP RATING	PRINTER LANGUAGES
6822 Full Page Printer	Dot matrix Full Page Receipt	215.9	Mobile computer socket	2 pages per min	0.9m (3 ft)	IP20	ESC-P
PW50 Workboard Printer	Direct Thermal	111.5	RS-232  DEX/ UCS	4 ips (100 mm/sec)	1.2 m (4 ft)	IP20	ESC-P



Key deployment environments: Direct Store Delivery, Route Accounting, Field Service/ Sales

## Easy to Deploy, Install and Use

### Desktop Printers

For low volume labeling applications. Typically less than 2 rolls or 1,000 labels per day.

FAMILY	MEDIA WIDTHS (mm)	CONNECTIVITY	MAX PRINT SPEED	PRINT RESOLUTION	PRINTER LANGUAGES
PF8	118		4 ips (100 mm/sec)	203 dpi, 300 dpi	EPL
PC41	118	External	4 ips (100 mm/sec)	203 dpi	IPL



Key deployment environments: Transportation & Logistics, Courier Express, Healthcare, Retail, Manufacturing, Small Business

## Rugged Performance in RFID Printing

### RFID Enabled

Simultaneously print, encode and verify frequency-agile RFID labels.

FAMILY	MEDIA WIDTHS (mm)	CONNECTIVITY	MAX PRINT SPEED	PRINT RESOLUTION	PRINTER LANGUAGES
PF2i PF4i	56 104		8 ips (200 mm/sec)	PF2i = 203 dpi PF4i = 203 or 300 dpi	Fingerprint, IPL, ZSim (ZPL II), DSIm (DPL)
PM4i	104		8 ips (200 mm/sec)	203 dpi 300 dpi 406 dpi	Fingerprint, IPL, ZSim (ZPL II), DSIm (DPL)
PX4i PX6	106.6 165		12 ips (305 mm/sec)	PX4i = 305 or 406 dpi PX6i = 305 dpi	Fingerprint, IPL, ZSim (ZPL II), DSIm (DPL)



Key deployment environments: Warehouse, Distribution Center, Manufacturing, Transportation & Logistics, Healthcare, Airline Operations

### RFID Capable

For quick and accurate mobile RFID label printing.

FAMILY	PRINTER TYPE	MEDIA WIDTHS (mm)	CONNECTIVITY	MAX PRINT SPEED	RUGGEDNESS (drop spec)	IP RATING
PB22/32/50	Label Direct thermal	55.88 83.82 111.5		4 ips (100 mm/sec)	1.5 m (5 ft) 26 times on all surfaces	IP54



Key deployment environments: Warehouse, Healthcare, Retail In-Store, Postal/ Courier Express

= Smart printer capable of streamlining control of peripheral devices and host applications directly without the need of a PC.

Connectivity Key: = Ethernet = Serial = Parallel = USB = Bluetooth = WiFi