

The Right Media for Your Application Needs

Intermec labels, tags, receipts and ribbons support a broad range of bar-code printing applications in mild to harsh environments. While a wide variety of these are offered as take-from-stock products for fast delivery, Intermec will also customise the label material, configuration, size or any other feature to meet even the most challenging environment.

For more information visit intermec.com/media.

Media Specifications

Intermec Printer	PC43/PF8	PD41/42	PF4i	PM43/PM4i	PX4/6	PR/PB
Label Roll Core ID (in)	1.5	1.5/ 3*	1.5/ 3*	1.5/ 3*	1.5/ 3*	0.4/ 0.75
Max Label Roll OD (in)	5	8.38	8.38	8.38	8.38	1.6/ 2.25/ 2.65/ 2.65
Std Ribbon Length (in)	18,000	18,000	18,000	18,000	18,000	–
Ribbon Core ID (in)	½/ 1	1	1	1	1	–
Ribbon Orientation (Coated side In/ Out)	CSO	CSI, CSO	CSI, CSO	CSI, CSO	CSI, CSO	–

* Printer dependant. May need additional accessories.



Medallion Support Services

Intermec's comprehensive Medallion Support ensures business continuity, worker productivity and protection of your technology investments.



Medallion COMPLETE

The highest level of protection for critical data-collection and mobile computing devices.

Medallion STANDARD

Coverage for wear-and-tear, defects and component-part failures with committed response times.

Medallion SELECT

Designed for the unique needs of light product handling solutions.

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In a continuing effort to improve our products, Intermec Technologies (S) Pte Ltd reserves the right to change specifications and features without prior notice.

Intermec Industrial, Mobile & Desktop Printers: Quick Reference

	Industrial Printers				Mobile Printers				Desktop Printers			
	Typical Volume (labels/ day)	5,000-10,000	2,000 - 7,000	2,000 - 7,000	1,000 - 4,000	Varies	Varies	Varies	1,000	1,000	1,000	
Intermec Printers	PX4/PX6i 	PM43/PM43c 	PM4i 	PD41/PD42 	PB22/PB25/50 	PB21/31/51 	PR2/PR3 	PC43d/i 	PC3d 	PF8 		
Print Width, Max.	112/167/40mm (4.40/6.60in)	108mm (4.25in)	105.70mm (4.16in)	105.70mm (4.16in)	55.88/ 83.82 / 111.50mm (2.20/ 3.30/ 4.39in)	57/ 83.80/ 111.50mm (2.25/ 3.30/ 4.39in)	48/ 72mm (1.89/ 2.83in)	106mm (4.20in)	56mm (2.20in)	106mm (4.20in)		
Resolution (dpi)	203, 300, 405	203, 300, 406	203, 300, 405	203, 300	203	203	203	203, 300	203, 300	203, 300		
Print Speed, Max (ips)	12/ 9	12	8	6	4	4	3	8	8	4		
Memory, Standard	4MB Flash, 16MB SDRAM	128MB Flash, 128MB SDRAM	16MB Flash, 32MB SDRAM	8MB Flash, 16MB SDRAM	64MB Flash, 16MB RAM	64MB Flash, 16MB RAM	64MB Flash, 16MB RAM	128MB Flash, 128MB RAM	128MB Flash, 128MB RAM	4MB Flash, 8MB SDRAM		
Memory, Optional	1GB CompactFlash	Multi-GB memory device (FAT16/FAT32 USB drivers supported)	1GB CompactFlash	1GB CompactFlash	–	–	–	Up to 32GB via USB thumbdrive	Up to 32GB via USB thumbdrive	1GB Compact Flash		
Interfaces, Standard	Ethernet, USB, Serial	Ethernet, USB, Serial	Ethernet, USB, Serial	Ethernet, USB, Serial	Serial, USB, Bluetooth or 802.11g with WEP, LEAP, WPA/WPA2	USB, Serial, Bluetooth, 802.11b/g (PB21/31only)	USB, BT, IrDA, 802.11b/g	USB	USB	USB		
Interfaces, Optional	Parallel, 802.11b/g	Industrial Interface, Dual Serial Ports, USB Hub	Parallel, 802.11b/g	Parallel	–	–	–	Ethernet, Serial, Parallel, 802.11b/g + BT	Ethernet, Serial, 802.11b/g + BT	RS-232C, Parallel, Ethernet		
RFID Option	Yes	Yes	Yes	No	No	No	No	Yes	Yes	No		
Weight	PX4i: 12.85kg (28.40lbs) PX6i: 14.80kg (32.60lbs)	PM43: 15.62kg (35.86lbs) PM43c: 12.50kg (27.65 lbs)	13.50kg (29.76lbs)	13kg (28.70lbs)	PB22: 6.78g (23.90oz) PB32: 8.28g (29.20oz) PB50: 1189g (42.00oz) with battery	PB21: 6.78g (23.90oz) PB31: 8.28g (29.20oz) PB51: 1189g (42oz) with battery	PR2: 3.09g (0.90oz) PR3: 3.49g (12.30oz) with battery, no media	PC43d: 1.72kg (3.80 lbs) PC43c: 2.70kg (5.95lbs)	1.45kg (3.20lbs)	PF8: 21kg (4.41lbs) PF8i: 2.50kg (5.07lbs)		
Size, LxHxW	PX4i: 482 x 238 x 275mm (19 x 9.40 x 10.80in) PX6i: 482 x 238 x 335mm (19 x 9.40 x 13.20in)	PM43: 483.54 x 294.61 x 284.20mm (19.04 x 11.60 x 11.19in) PM43c: 491.84 x 181 x 252.20 mm (17 x 17.31 x 9.94 in)	543 x 261 x 288mm (21.38 x 10.28 x 11.73in)	453 x 273 x 270mm (17.80 x 10.80 x 10.60in)	PB22: 71 x 176 x 10mm (2.80 x 6.90 x 4in) PB32: 81 x 182 x 127mm (3.20 x 7.20 x 5in) PB50: 78.80 x 174.50 x 160mm (3.10 x 6.90 x 6.30in)	PB21: 71 x 176 x 10mm (2.80 x 6.90 x 4in) PB31: 81 x 182 x 127mm (3.20 x 7.20 x 5in) PB51: 78.80 x 174.50 x 160mm (3.10 x 6.90 x 6.30in)	PR2: 136.58 x 60.96 x 103.22mm (5.46 x 2.40 x 4.06in) PR3: 156.10 x 57.69 x 127.20mm (6.14 x 2.27 x 5.01in)	PC43d: 215 x 167 x 180mm (8.40 x 6.60 x 7.00in) PC43i (LCD): 281 x 227 x 210mm (11.10 x 8.90 x 8.30in) PC43i (icon): 281 x 182 x 210mm (11.10 x 7.20 x 8.30in)	215 x 177 x 125mm (8.50 x 6.90 x 4.90in)	PF8d: 218 x 116 x 166mm (8.58 x 4.56 x 6.61in) PF8i: 285 x 172 x 226mm (11.20 x 6.77 x 8.90in)		
Print Languages	Fingerprint, iPL, Zsim (ZPL), Dsim (DPL)	Fingerprint, iPL, Zsim (ZPL), Dsim (DPL)	Fingerprint, iPL, Zsim (ZPL), Dsim (DPL)	Fingerprint, iPL, Zsim (ZPL), Dsim (EPL)	Fingerprint, iPL, Zsim (ZPL), Dsim (EPL), Csim (CPL), ESC-P	Fingerprint, iPL, Zsim (ZPL), Dsim (DPL), Csim (CPL), ESC-P	Csim (CPL), Xsim (Ex-PCL), ESC/P	Direct protocol (DPL), Fingerprint, iPL, Zsim (ZPL, i), Esim (ER, Z), Dsim (DPL)	Direct protocol (DPL), Fingerprint, iPL, Zsim (ZPL, i), Esim (EPL, Z), Dsim (DPL)	Esim (EPL)		



Intermec Printers

Selection Guide





Industry-Leading Print Performance

Ready. Reliable. Perform. Intermec industrial label, ticket and tag printers cover any type of application, from commercial light volume needs to rugged, round-the-clock printing performance. Recognized for durability and mission-critical reliability, Intermec industrial printers are ready to deliver custom applications and programmability, leading device health monitoring, advanced networking connectivity, and security. For industry-leading performance, Intermec's industrial printer family is the smart choice.

High Performance

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

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

Key markets: Warehouse, Distribution Center, Manufacturing, Transportation & Logistics, Healthcare
RFID enabled



Mid Range

Rugged, 3rd generation platform designed for mainstream applications. Typically 2,000-7,000 labels per day.

FAMILY	MAX MEDIA WIDTH (mm)	CONNECTIVITY	MAX PRINT SPEED	PRINT RESOLUTION	PRINTER LANGUAGES	USER INTERFACE
PM43/ PM43c	114.3		12ips (300mm/ sec)	203dpi 300dpi 406dpi	Fingerprint, IPL, ZSim (ZPL), DSIm (DPL)	Full Colour Full Touch Screen or Icon Interface
PM4i	114.3		8ips (200mm/ sec)	203dpi 300dpi 406dpi	Fingerprint, IPL, ZSim (ZPL), DSIm (DPL)	LCD Display

Key markets: Warehouse, Distribution Center, Manufacturing, Transportation & Logistics, Healthcare
RFID enabled



Commercial

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

FAMILY	MAX MEDIA WIDTH (mm)	CONNECTIVITY	MAX PRINT SPEED	PRINT RESOLUTION	PRINTER LANGUAGES
PD41/ PD42	118.1		6 ips (150mm/ sec)	203 dpi 300 dpi	Fingerprint, IPL, ZSim (ZPL), DSIm (DPL), ESIm (EPL)

Key markets: Warehouse, Distribution Center, Manufacturing, Transportation & Logistics, Healthcare



= 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



Enterprise Grade Mobile Printing

Fast. Rugged. Fit. Intermec mobile printers deliver performance whenever and wherever you need it. Intermec's wide selection of energy efficient mobile printers is designed to withstand punishing field conditions where dirt, moisture, temperature extremes and physical shock are common. From durable to rugged, Intermec has the right choice for your specific mobile workforce printing needs.

Rugged Label Printers

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

FAMILY	PRINTER TYPE	MAX MEDIA WIDTH (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 (101.6mm/ sec)	1.5m (5ft) 26 times on all surfaces PB22/ 32 = 2m (6.5ft) with protective case	IP54	IPL, Fingerprint, ZSim (ZPLII), ESC-P, DSIm (DPL), CSIm (CPCL)

Key markets: Warehouse, Healthcare, Retail In-Store, RFID tag capable



Rugged Receipt Printers

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

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

Key markets: Direct Store Delivery, Field Service/Sales, Public Safety: e-Citation



Durable Receipt Printers

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

FAMILY	PRINTER TYPE	MAX MEDIA WIDTH (mm)	CONNECTIVITY	MAX PRINT SPEED	RUGGEDNESS (drop spec)	IP RATING	PRINTER LANGUAGES
PR2/PR3	Receipt Direct thermal	58 80	IrDA	3ips (76mm/ sec)	1.2m (4ft) on all surfaces 1.5m (5ft) with protective case	IP42 (IP54 w/ optional case)	ESC-P, XSim (EX-PCL), CSIm (CPCL)

Key markets: Direct Store Delivery, Field Service/Sales, Mobile POS, Public Safety: e-Citation



Workboard Printers

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

FAMILY	PRINTER TYPE	MAX MEDIA WIDTH (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 (3ft)	IP20	ESC-P
PW50 Workboard Printer	Direct Thermal fanfold and receipt	111.5	RS-232 DEX/ UCS	4ips (100mm/ sec)	1.2m (4ft) 26 times on all surfaces	IP20	ESC-P

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



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Super Easy to Install and Use

For labeling that requires a compact, highly intuitive and flexible printing solution, Intermec desktop printers offer the right features to meet your needs. Quiet and reliable, Intermec's lineup of purpose-built desktop printers are the super easy choice for a wide variety of light duty labeling applications.

Desktop Printers

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

FAMILY	MAX MEDIA WIDTH (mm)	CONNECTIVITY	MAX PRINT SPEED	PRINT RESOLUTION	PRINTER LANGUAGES	PRINT TECHNOLOGY	USER INTERFACE
PC23d	60		8ips (203dpi) 6ips (300dpi)	203dpi 300dpi (user changeable)	Direct protocol (DP), Fingerprint, IPL, ZSim (ZPL II), ESIm (EPL 2), DSIm (DPL)	Direct Thermal	LCD Display or Icon Interface
PC43d/t	118		4ips (100mm/ sec)	203dpi 300dpi	ESIm (EPL)	Direct Thermal Thermal Transfer	—

Key markets: Transportation & Logistics, Healthcare, Retail, Small and medium sized businesses - Manufacturing & Warehouse



RFID Enabled

Simultaneously print, encode and verify frequency-agile RFID labels

FAMILY	MAX MEDIA WIDTH (mm)	CONNECTIVITY	MAX PRINT SPEED	PRINT RESOLUTION	PRINTER LANGUAGES	PRINT TECHNOLOGY
PM43/ PM43c	114.3		12ips (300mm/sec)	203dpi 300dpi 406dpi	Fingerprint, IPL, ZSim (ZPL), DSIm (DPL)	Direct Thermal Thermal Transfer
PM4i	114.3		8ips (200mm/ sec)	203dpi 300dpi 406dpi	Fingerprint, IPL, ZSim (ZPL), DSIm (DPL)	Direct Thermal Thermal Transfer
PX4i/ PX6i	120 170		PX4i = 12ips (300mm/ sec) PX6i = 9ips (225mm/ sec)	PX4i = 300 or 406dpi PX6i = 300dpi	Fingerprint, IPL, ZSim (ZPL), DSIm (DPL)	Direct Thermal Thermal Transfer

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



RFID Capable

For quick and accurate mobile RFID label printing

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

Key markets: 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