Quick Comparison Guide: 4" Desktop Printers

		Desktop Printers						
		Intermec PC43d (DT), PC43t (TT)	Zebra GK420 (DT & TT) GX420/430 (DT & TT)	Datamax-O'Neil Mark III E-Class (DT & TT)	TSC TDP 247 (DT)	Toshiba TEC B-EV4 (DT & TT)	Citizen CL-S521 (DT), CL-S621 (TT), CL-S631 (TT)	Sato CG408 (DT & TT) CG412 (DT & TT)
Description Light duty labeling applications (typically less than 2 rolls or 1,000 labels per day) Direct Thermal or Thermal Transfer printing Target Applications Transportation & Logistics (shipping labeling), Healthcare (patient tracking, prescription pad and unit dosage labeling, specimen labeling), Retail (shelf & prepared food labeling), Manufacturing (shipping and finished goods labeling, specimen labeling), Retail (shelf & prepared food labeling), Manufacturing (shipping and finished goods labeling, specimen labeling)								
							d goods labeling, WIP) and Office (asse	t and record labeling}
	Resolution	8 dots/mm (203 dpi), 12 dots/mm (300 dpi)	GK & GX: 8 dots/mm(203 dpi) GX: 12 dots/mm (300 dpi)	8 or 12 dots/mm (203 or 300 dpi)	8 dots/mm (203 dpi)	8 dots/mm (203 dpi), 12 dots/mm (300 dpi)	8 dots/mm (203 dpi), 12 dots/mm (300 dpi)	8 dots/mm (203 dpi), 12 dots/mm (305 dpi)
	Memory	128 MB Flash, 128 MB SDRAM Up to 32 GB with Flash Drive	Standard: 4 MB Flash, 8 MB SDRAM; Optional: (GX) 64 MB Flash with RTC	64 MB Flash / 16 MB DRAM Optional: 32 MB DRAM	4 MB Flash, 8 MB SDRAM Optional: 4 GB card reader	Standard: 4 MB Flash, 8 MB SDRAM	4 MB Flash, 8 MB DRAM	Flash ROM: 4 MB, RAM: 8 MB
	Max. Print Speed	8 ips (203 mm/sec) – Fastest in its class	GK: 5 ips (127 mm/s) (203 dpi) GX: 6 ips (152 mm/s) (203 dpi)	4 ips (101 mm/s) to 6 ips (152 mm/s)	7 ips (178 mm/s)	5 ips (127 mm/s) (203 dpi)	6 ips (152 mm/sec)	4 ips (102 mm/s)
	Max. Ribbon Length	984' (300 m) – PC43t	244' (74 m)	984' (300 m)	Direct Thermal only	360' (110 m)	1,181' (360 m)	328' (100 m)
	Differentiators	Intuitive: Only printer to communicate status with color LCD in 10 languages or icons, Fastest throughput in its class, Most placement options including wall mount Flexible: Only printer with user installable upgrades for network connectivity options Smart: Only printer in its class that's programmable, able to connect keyboard, scale						
U	User Interface	VGA LCD in 10 languages or graphic lcons	LEDs, Monochrome Display (GX)	LEDs, Monochrome LCD (Pro only)	LEDs	LEDs	LEDs	LEDs
tuitive	Upgrades	Upgrade without computer using USB Flash Drive	Must use computer	USB Host (Pro only)	Must use computer	Must use computer	Must use computer	Must use computer
Inti	Media Handling	Simple, intuitive loading for a wide variety of media. One Handed loading!	Media guide adjustment necessary	Media guide adjustment necessary	Spindle and media holders, media guide adjustment necessary	Media guide adjustment necessary	Media guide adjustment necessary	Media guide adjustment necessary
	Communications	Standard: 1 USB-A host (+ 1 for LCD model) USB-B device v.2.0 Optional: USB-to-Serial Adapter, USB-to-Parallel Adapter, Ethernet, 802.11 b/g/n WiFi / Bluetooth	Standard: Serial RS-232, USB 1.1, Parallel DB-25 Optional: Ethernet; GX: Bluetooth or 802.11 b/g WiFi	Standard: USB 2.0, Serial RS232; Optional: USB Host, Parallel, Ethernet, 802.11 a/b/g WiFi, Bluetooth v2.0	Standard: Serial RS-232, Parallel, USB 2.0 Optional: Ethernet, Bluetooth	Standard: Serial RS-232, Parallel (Centronics), USB 2.0, Ethernet	Standard: RS-232 Serial, USB 1.1 Optional: Ethernet, 802.11 WiFi, Parallel	Standard: USB Optional: Serial RS-232, Ethernet, Parallel, 802.11 b/g WiFi
اه	Footprint H x W x D	Compact Size – one of the smallest footprints for direct thermal printer, wall mountable	Compact Size – one of the smallest footprints for direct thermal printer	Not Compact	Not Compact	Not Compact	Not Compact	Not Compact
Flexible	Printer Language	DP, FP, IPL, ESim (EPL), ZSim (ZPL), DSim (DPL) on board. Autoconfiguration of printer language	EPL2 & ZPL I/ZPL II, both are resident, Autosensing	DPL, Universal printer command language (PLZ, PLI, PLB, PLE)	TSPL2, EPL2, ZPL2	TPCL (TEC printer command language)	Citizen command language, ZPL, DPL, Autosensing	SBPL
	Accessories	User Installable: USB-to-Serial Adapter, USB-to-Parallel Adapter, Ethernet, 802.11 b/g/n WiFi / Bluetooth, Label Dispenser, Cutter, Linerless, Case Lock,Power Adapter Base, Battery Base Factory Installed: UHF RFID	User Installable: Keyboard Display Unit Factory Installed: Dispenser; GX: Cutter, RTC	User Installable: External Rewinder, Power Supply Case Factory Installed: Label Peeler, Cutter, Battery Pack	User Installable: Keyboard Display Unit, External Roll Mount, Bluetooth Module Factory Installed: Cutter, Peel Off, RTC	User Installable: Keyboard, External Media Holder, Power Cable Tray Factory Installed: Cutter, Peel-off Module, Linerless (DT only)	Factory Installed: Cutter, Peeler	Factory Installed: Cutter, Dispenser, RTC, HF RFID, 802.11 b/g WiFi, Linerless
er Smart 1er	Remote Status	SmartSystems [®] Device Management	Not available	Not available	Not available	Not available	Not available	Not available
	Programmable	The only desktop printer with fully programmable capabilities for application and labelling efficiencies + add keyboard or scanner direct – no PC required.	Limited programmability with Keyboard Display Unit	Not programmable	Not programmable	Not programmable	Not programmable	Not programmable
	Printhead Replacement	Buy Intermec printers and media and get free printheads for life.	No formal program	No formal program	No formal program	No formal program	No formal program	No formal program
Better Together	Total Hardware Solution	Part of a complete Intermec AIDC Solution: Printer, Scanner, Mobile Computer, Software, Media, and Service	Incomplete solution	Incomplete solution	Incomplete solution	Incomplete solution	Incomplete solution	Incomplete solution





Quick Comparison Guide: 2" Desktop Printers

		Desktop Printers				
		Intermec PC23d (DT)	Zebra HC100 (DT)	Zebra LP 2824 (DT)		
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	Description	Light duty labeling applications	s (typically less than 2 rolls or 1,000 labels per day) Direct Thermal printing			
	Target Applications	labeling, specimen labeling)				
	Resolution	8 dots/mm (203 dpi), 12 dots/mm (300 dpi)	12 dots/mm (300 dpi)	8 dots/mm (203 dpi)		
	Memory	128 MB Flash, 128 MB SDRAM	8 MB Flash, 16 MB SDRAM	512 KB Flash, 128 KB SRAM Optional: 1 MB FLash, 256 KB SRAM		
	Max. Print Speed	8 ips (203 mm/sec) - Fastest in its class Intuitive: Only printer to communicate status with color LCD in 10 languages or icons, Fastest throughput in its class, Most placement options including wall mount Flexible: Only printer with user installable upgrades for network connectivity options Smart: Only printer in its class that's programmable, able to connect keyboard, scale	2 ips (51 mm/s)	4 ips (102 mm/s)		
	User Interface	VGA LCD in 10 languages or graphic icons	LEDs	LEDs		
tive	Upgrades	Upgrade without computer using USB Flash Drive	Must use computer	Must use computer		
Intuitive	Media Handling	Simple, intuitive loading for a wide variety of media. One Handed loading!	Single source cartridge, Drop In, wristbands only	Media guide adjustment necessary		
	Communications	Standard: 1 USB-A host (+ 1 for LCD model) USB-B device v.2.0 Optional: USB-to-Serial Adapter, USB-to-Parallel Adapter, Ethernet, 802.11 b/g/n WiFi / Bluetooth	Standard: Serial RS-232, USB 2.0, Optional: Ethernet, 802.11 b/g WiFi	Standard: Serial RS-232, USB 1.1, Parallel Optional: External ZebraNet 10/100 Printer Server		
Flexible	Footprint H x W x D	Highly Compact Size – one of the smallest footprints for a 2" direct thermal printer, wall mountable DP, FP, IPL, ESim (EPL), ZSim (ZPL),	Highly Compact Size – one of the smallest footprints for a 2" direct thermal printer	Compact		
	Printer Language	DSim (DPL) on board. Autoconfiguration of printer language	XML, ZPL, ZPL I/ZPL II, ZPL II	EPL2, Line Mode		
	Accessories	User Installable: USB-to-Serial Adapter, USB-to-Parallel Adapter, Ethernet, 802.11 b/g/n WiFi / Bluetooth, Label Dispenser, Case Lock Factory Installed: HF RFID	Factory Installed: Ethernet, 802.11 b/g WiFi	User Installable: Keyboard Display Unit, Narrow Media Adapter Factory Installed: Cutter, Dispenser, Liner-free platen, RTC		
Smart	Remote Status	SmartSystems [®] Device Management	Not available	Not available		
	Programmable	The only desktop printer with fully programmable capabilities for application and labelling efficiencies + add keyboard or scanner direct – no PC required.	Not programmable	Limited programmability with Keyboard Display Unit		
Better Together	Printhead Replacement	Buy Intermec printers and media and get free printheads for life.	No formal program	No formal program		
	Total Hardware Solution	Part of a complete Intermec AIDC Solution: Printer, Scanner, Mobile Computer, Software, Media, and Service	Incomplete solution	Incomplete solution		

Vertical Markets and Applications

Desktop Customer: T&L/Courier

Desktop Customer: Healthcare



Ideal for printing shipping labels at customer and retail sites



Desktop Customer: Manufacturing



Ideal for shipping labels as well as finished goods and WIP labeling



New PC23 & PC43 Desktop Printers – Super Easy to Install and Use Introducing Intermec's PC23 and PC43 desktop printer line, available in 2" (PC23d) or 4" (PC43d) direct thermal and 4" (PC43t) thermal transfer. Increase uptime with a multi-language LCD or Icon graphics interface that provides status updates. Experience a productivity boost with the fastest throughput in its class and easy media loading. Gain long term confidence and scalability with user installable upgrades. Ideal for package courier, healthcare, small and medium business environments.

Message	Benefit		
INTUITIVE	Easiest to Install & Use		
FLEXIBLE	Fits your business today & tomorro		
SMART	Keeps you informed & productive		





Ideal for patient wristbands, pharmacy unit dose and laboratory specimen collection labeling, as well as prescription printing

Desktop Customer: Government SMB Office



Ideal for shipping labels as well as asset and record labeling

Desktop Customer: Retail



Ideal for shelf labels and in-store prepared food labeling

	Feature		
	 Multi-language LCD or universal icon user interface provide status updates (NEW) Half-inch or one-inch ribbon core flexibility enables maximum time between roll changes (NEW) One hand media loading and reloading (NEW) Fastest throughput in its class (NEW) 		
row	 Only printer with user installable accessories and network connectivity options (NEW) All leading command languages standard on every printer 		
	 Remote status and updates (NEW) Ability to add standard devices such as a keyboard or scale (NEW) Programmable, enabling customized applications that simplify labeling processes & eliminate hardware (NEW) 		