

Intermec PX Series

High Performance Printers



Features

- *Strong, all-metal construction*
- *Ideal for high volume & compliance applications*
- *Modular design*
- *Smart Printing capabilities*
- *All-in-one, user-selectable printer languages*
- *Secure wireless connectivity*
- *Integrated Ethernet*
- *Internet Protocol v6*
- *Interchangeable print head*
- *RFID option*

Members of the smartest bar code printer family on the market, the PX4i and PX6i are flexible and programmable, enabling customers to optimize their printing operations, streamline deployment, and achieve quick return on investment. Built to meet the needs of round-the-clock, mission-critical applications, the rugged PX printers deliver advanced connectivity and network protocols, ensuring peace-of-mind today and a reliable, scalable solution for the long haul. The PX4i and PX6i High Performance Printers are part of Intermec's complete line of smart, strong and secure industrial printers.

Smart

The PX printers' smart design features support increased productivity in demanding environments. As Smart Printers, they can host stand-alone applications, developed through Intermec Fingerprint programming language, that reduce errors and streamline operational processes. Smart Printers can eliminate the PC and control other devices directly (such as scanners, scales, applicators), improving efficiency and decreasing infrastructure costs and complexity.

The printers' device management and diagnostic capabilities, provided through Intermec SmartSystems™ and Wavelink Avalanche™, reduce downtime and simplify deployment. With user-selectable, all-in-one programming languages (Fingerprint, IPL, ZSim, DSim), the PX printers fit with drop-in simplicity to Intermec or mixed printer environments. Their modular design facilitates integration into automated labeling applications and industry standard connectivity options support fast deployment.

Strong

The rugged, all-metal PX printers deliver outstanding performance – up to 12 inches per second from first label to last - and incorporate features that reduce downtime and minimize maintenance costs. Both versions are available with 203 or 300-dpi resolution, and the PX4i also offers 406 dpi, for precision labeling without any loss of speed. This is ideal for compliance labeling applications with variable data requiring immediate results.

An enhanced self-strip option delivers consistent performance across multiple media types. Replacing printheads is fast and

easy, thanks to the magnetic QuickMount™ printhead design. The PX Series printers are co-engineered and tested with Intermec labels and other media products, optimizing performance when used with genuine Intermec media.

Secure

Multiple interface options are available, including the highest level of secure wireless connectivity (WPA2). Available with WiFi- and CCX-Certification, Intermec industrial printers help maintain wireless network integrity and reduce configuration time. Every printer ships with Ethernet connectivity, as well as with emerging network protocol IPv6, ensuring long-term, enterprise scalability.

The standard CompactFlash™ memory slot is complemented by new USB host and device support. Handy and PC-compatible, these memory technologies provide extra storage for Fingerprint programs, layouts, graphics*, fonts and firmware upgrades. The RFID-enabled PX printers enable companies to create RFID smart labels and drive the latest RFID applications.

Specifications

Physical Description	Direct thermal and thermal transfer label, ticket and tag printer. Also available with RFID.
Physical Characteristics	
LxHxW	PX4i: 482 x 238 x 275 mm (19.0 x 9.4 x 10.8 in) PX6i: 482 x 238 x 335 mm (19.0 x 9.4 x 13.2 in)
Weight	PX4i: 12.85 kg (28.4 lbs) PX6i: 14.80 kg (32.6 lbs)
Print Specifications	
Max. Print Width	PX4i: 112 (DT)/110 (TT) mm (4.4/4.3 in) PX6i: 167.4 mm (6.59 in)
Max. Length	4095 mm (161 in) at 203 dpi 2775 mm (109 in) at 300 dpi 1016 mm (40 in) at 406 dpi
RFID Standards & Frequencies	Supports ISO 18000-6B and 18000-6C / EPC Generation 2 865-928 MHz radio configured to comply with local UHF RFID regulations including FCC and ETSI.
Print Speed	
PX4i	100 - 300 mm/s (4 - 12 ips) for 203/300dpi 100 - 250 mm/s (4 - 10 ips) for 406 dpi
PX6i	100 - 225 mm/s (4 - 9 ips) for 203/300dpi
Media	
Labels & Tags	PX4i Max/Min Width: 120/ 25.4mm (4.72/ 1 in) PX6i Max/Min Width: 170/ 76 mm (6.69/ 3 in) Thickness: 2.4 to 10.0 mil Configuration: Roll-fed or fanfold Sensing: Gap, notch, black mark, continuous Label Roll Max Diameter: 213 mm (8.38 in) Label Roll Core: 38-76mm (1.5-3 in)
Ribbons	Roll Max Diameter: 80 mm (3.15in), approx. 450m Core ID: 25.4 mm (1") Type: Wax, mid-range, resin
Interfaces	
Standard	Ethernet 10/100 Mbps RS-232, up to 115.2 kB/s
Supported Serial Protocols	Fingerprint/Direct Protocol: XON/XOFF, ENQ/ACK, DTR, RTS/CTS IPL: XON/XOFF, Intermec Std. Protocol USB 2.0
Optional	Parallel IEEE 1284 Industrial Interface (8 digital in/out, 4 analog relays, 1 RS232/422/485 port) Dual Serial ports RS-232, RS-422, RS-485 and 20mA Current Loop, Applicator Interface
Wireless	IEEE 802.11 b/g Wi-Fi Certified, Cisco® Compatible (CCX) version 3 Certified WEP, WPA, WPA2, 802.11x (EAPTTLS, LEAP, PEAP, FAST), 802.11i Multiple industrial antenna options for maximized coverage
Supported Protocols	TCP/IP-suite (TCP, UDP, ICMP, IGMP, etc.), LPR/LPD, FTP, BOOTP, DHCP, HTTP, SNMPv3, SMTP.SNMP-MIB II supported (over UDP/IP), private enterprise MIB included. Supports IPv4 and IPv6
Software	
Printer Command Languages	IPL Fingerprint/Direct Protocol ZSim (ZPL) DSim (DPL) XML enabled for SAP® All and Oracle® WMS
Applications / Drivers	InterDriver™ Windows printer driver Intermec label design and print package PrintSet for printer configuration
Development Software	Intermec Fingerprint Application Builder™ (IFAB) (RFID libraries included)
Device Management Support	SmartSystems™ Wavelink Avalanche™

Bar Code Symbolologies Standards Supported	All major 1D and 2D symbolologies are supported. UPC/EAN Shipping Container; UCC/EAN 128 Serial Shipping Container; MH10.8 Shipping Label; AIAG (shipping parts label); OGMARS; POSTNET; HIBCC; ISBT 128; GM1724; UPS shipping label; Global Transport label
Fonts	Scalable fonts including CP1252 Font cache for maximum performance Non-Latin fonts and legacy fonts available
Graphics	Supports PCX file format. (Fingerprint Only) Other graphic formats supported with Label Generation Tools
Memory	
Standard	16MB Flash memory, 32MB SDRAM, 1 Compact Flash slot
Available	1GB CompactFlash memory, multi-GB USB memory device (FAT16/FAT32 USB drivers supported)
Keypad Control Panel	Interactive numeric keypad control panel
Power Supply	
AC Voltage	90 to 265 VAC, 45 to 65Hz
PFC Regulation	IEC 61000-3-2
Power Consumption	Standby 20W; Continuous average 125W; Peak 400W
Operating Environment	
Ambient Operating Temperature	+5°C to +40°C (+41°F to +104°F)
Storage Temperature	-20°C to +70°C (-4°F to +152°F)
Humidity	10 to 90% non-condensing
Regulatory Approvals	CE (EN55022 Class A), FCC Class A, UL/cUL, C-Tick
Options	RFID, integral self-strip unit with liner takeup, Label Taken Sensor (LTS), Compact Flash (CF) memory, various international double byte fonts, alphanumeric keyboard*, parallel interface board, additional serial interface board*, industrial interface board*, applicator interface board*, real time clock, media supply hub, cutter, label low sensor
	*Not applicable when using IPL firmware