

PX Series Printer Kits

OEM PX Series High
Performance Printer Kits



- High Performance OEM PX printer kits perfect for integration into wide variety of print and apply systems
- Modular design facilitates easy integration into automated labeling applications
- Strong, durable parts providing superior throughput for 24x7 printing in harsh industrial environments
- Smart Printing technology enables error-proof labeling, simplifies processes and can eliminate costly hardware
- Secure wireless connectivity : CCX and WiFi certified with WPA2 with optional radio
- Integrated Ethernet, USB host and device, and serial interface standard
- Internet Protocol v6 (IPv6) support
- RFID option supports ISO18000 – 6B 6C/ EPC Gen 2

Intermec OEM Printer Kits are used for integration into Print and Apply systems and are based on the smartest bar code printers on the market, the Intermec PX4i and PX6i printers. The kits 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 OEM PX printer kits deliver advanced, secure connectivity and the latest network protocols, ensuring peace-of-mind today and a reliable, scalable solution for the long haul. The OEM PX Printer Kits are part of Intermec's complete line of smart, strong and secure industrial printer products.

SMART

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

The printers' integrated device management and diagnostic capabilities, provided through Intermec SmartSystems™ and Wavelink Avalanche™, reduce downtime and simplify deployment. Its

modular design facilitates integration into automated labeling applications and industry-standard connectivity options support fast deployment.

STRONG

PX Printer Kits are based on the rugged, PX printers that deliver outstanding performance – up to 12 inches per second from first label to last - and incorporate features that reduce downtime and minimize maintenance costs. Just like the PX printers, the printer kits are available with 203 or 300-dpi resolution, and the PX4i kits also offer 406 dpi, for precision labeling without any loss of speed. This is ideal for compliance labeling applications with variable data requiring immediate results.

Replacing printheads is fast and easy, thanks to the magnetic QuickMount™ printhead design. The PX Series printer kits 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 industrial, applicator ports and the highest level of secure wireless connectivity (WPA2). Available with WiFi- and CCX-Certification, Intermec printer kits help maintain wireless network integrity and reduce configuration time. Ethernet connectivity is standard, as well as emerging network protocol IPv6, ensuring long-term, enterprise scalability.

The standard CompactFlash™ memory slot is complemented by new USB host and device support. Handy, inexpensive and PC-compatible, CompactFlash and USB memory technologies provide extra storage for Fingerprint programs, layouts, graphics*, fonts and firmware upgrades. The RFID option can be integrated with the PX printer kits enabling companies to create RFID smart labels and drive the latest RFID applications.

* Fingerprint only

Physical Description

Direct thermal and thermal transfer label, ticket and tag printer kits. Modular PX4i and PX6i printer parts ideal for integration into Print & Apply Systems

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. Contact local representative for availability in particular region.

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

Type: Labels & Tags

Max/Min Width:

PX4i: 120/ 25.4mm (4.72/ 1 in)

PX6i: 170/ 76 mm (6.69/ 3 in)

Thickness: 2.4 to 10.0 mil

Sensing: Gap, notch, black mark, continuous

Label Roll Max Diameter: Depends on the Print and Apply System

Label Roll Core: 38-76mm (1.5-3 in)

Type: Ribbons

Roll Max Diameter: Depends on Print and Apply System

Core ID: 25.4 mm (1")

Type: Wax, mid-range, resin

Genuine Intermec Media: www.intermec.com/media

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

All major 1D and 2D symbolologies are supported.

Standards 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. Alphanumeric keypad is optional.

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

Company integrating these kits into Print & Apply systems is responsible for complying to all regulations and safety approvals for the finished printer unit. Intermec does not guarantee the functioned of the finished system.

Options

Base Kits: 203 or 300dpi, PCB, Power Supply Units and Keyboard - Display Unit

Media Options: Ribbon Mechanism, Label Roll Mechanism, Rewinder, Mid, Bottom and Back Plates

I/O Options: RFID, alphanumeric keyboard, parallel interface board, additional serial interface board*, industrial interface board*, applicator interface board*, real time clock,

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