Intermec

Product
Profile

- **High performance print engine for demanding print and apply applications**

- **Increases productivity and label placement accuracy**

- **RFID Ready**

- **Easily adapts to changing host environments and applications**

- **Flexible and ample connectivity options**

- **Interchangeable print head provides choice of resolutions**

PA30 APPLICATOR PRINT ENGINE

Intermec's PA30 Print Engine is a rugged, reliable, metal, high performance applicator print engine designed to increase label placement accuracy and productivity in demanding 24/7 print and apply applications. The Intermec PA30 is easily upgradeable to RFID with Intermec's IM4 RFID reader module.

With its extra input/output receptacle (I/O), the PA30 can execute user-defined programs thereby eliminating the need for a PC. Flexible connectivity enables the use of up to seven wired and wireless interfaces simultaneously allowing the PA30 to issue commands to production line machinery, conveyors, and other printers, as well as access information directly from the network host.

The Intermec PA30 is fully programmable is not restricted by printer command language. It delivers investment protection by easily adapting to changing host environments and applications.

The PA30 can communicate with and replace competitive print engines without changes to host programming or label format design, providing additional functionality and continued investment protection.

The combination of powerful individually controlled micro-step motors, high capacity power supply and sophisticated thermal management print head ensures high-quality labels each and every time at up to 12 inches (30.5 cm) per second (first to last label).

Based on PX printer technology, proven technology used in variety of custom made applicators, the PA30 features 4-inch (10 cm) print width with left hand orientation and the same 5-bolt pattern used in other OEM Print Engine products. The PA30 is available with interchangeable 203 or 300 dpi resolution print heads.

Application

Direct Thermal (DT) and Thermal Transfer (TT) print and apply

Physical Characteristic

9 5/8" W x 11 7/8" H x 20 1/2" L
Weight: 29.8 lbs

Print Specifications

Max. Print Width: (DT) 4.4 in (112mm)/
(TT) 4.3 in (110mm)
Max.Length with extended memory:
161 in (4095 mm) at 203 dpi
109 in (2775 mm) at 300 dpi
Print Speed: 4-12 ips (50-300 mm/s) variable
Print Direction:
Prints smooth text, any size bar codes and graphics in all four orthogonal directions.
Print Resolution:
203 dpi (8 dots/mm), 300 dpi (11.8 dots/mm)

Label/Ticket/Tag

Max. Width: 4.72 in (120 mm)
Min. Width: 2.00 in (50.8 mm)
Thickness: 2.4 to 10 mil (60 to 250 μm)
Style: Roll-fed, die-cut, continuous or fanfold labels, tags or tickets based on the applicator design.
Label Roll max diameter: Based on the applicator design
Label Roll Core: Based on the applicator design
Media Type: Thermally sensitive media

Ribbon Roll

Ribbon Roll max diameter: 3.25 in (82.5 mm)
Ribbon Roll Core: 1.0 in (25 mm)
Ribbon Type: Wax, wax/resin, resin

Interfaces

Standard:
• Applicator Interface
• RS232, up to 115.2 kb/s
• USB 2.0
• EasyLAN 10/100BaseT internal Ethernet
Optional:
• EasyLAN Wireless Internal Ethernet
Optional interfaces available as accessories:
• 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*

Network

EasyLAN integrated Ethernet: RJ-45 connector for 10BaseT or 100BaseTX
EasyLAN Wireless: Fully integrated IEEE 802.11b/g; WEP 128 bit; 802.1x (EAP-TTLS, LEAP, PEAP and WPA-PSK authentication)
Supported protocols: TCP/IP-suite (TCP, UDP, ICMP, IGMP, etc.), LPR/LPD, FTP, BOOTP, DHCP, HTTP, SNMP, SMTP
Note: SNMP-MIB II supported (over UDP/IP), private enterprise MIB included

Software

Available printer command languages:
• Fingerprint
• IPL (Future versions)
Applications/Drivers (comes on Printer Companion CD) including:
• InterDriver™ Windows printer driver
• Intermec ActiveX® Controls
• Intermec LabelShop® START label design & print package
• PrintSet for printer setup/configuration
• SmartSystem client for monitoring of network devices
Note: EasyCoder PX4i drivers can also be used
Optional software for application development:
• Fingerprint ApplicationBuilder™ (IFAB)
• ERPLabel™ for SAP™ R/3®
• XMLLabel™

Bar Code Symbologies

1-dimensional Codes: Codabar, Code 11, Code 39, Code 93, MSI (modified Plessey), Code 128, Code 128 Subset A-C, DUN-14/16, UPC/EAN Codes (EAN 8, EAN 13, UPC Version A, UPC Version E), EAN-128, EAN-128 Subset A-C*, Industrial 2 of 5, Interleaved 2 of 5, Interleaved 2 of 5 A, Matrix 2 of 5*, Planet, Postnet, Straight 2 of 5*, UCC-128 SSCC, RSS, HIBC Code 39 (IPL Only), HIBC Code 128 (IPL Only), JIS-ITF (IPL Only)
2-dimensional Codes: Aztec, Code 16K, Code 49, DataMatrix, Maxi Code, PDF 417, QR Code, MicroPDF417, EAN.UCC Composite
Standards Supported: UPC/EAN Shipping Container; UCC/EAN 128 SSC, MH 10.8 Shipping Label; AIAG (shipping parts label); LOGMARS; POSTNET: HIBCC: ISBT 128; GM1724; UPS shipping label; Global Transport label

Characters Sets

Fingerprint/DP Firmware: 15 scalable fonts including 12 Unicode (1 WGL4), 1 symbol, 1 OCR-A, 1 OCR-B. Font cache for maximum performance. ATF font support. Non-Latin fonts are available as options.
IPL firmware: (Future versions) 13 scalable fonts + 20 bitmap fonts

Graphics

Supports PCX file format

Memory

Standard: 4MB FLASH, 16MB SDRAM
Max.Option: 16MB FLASH, 16MB SDRAM
Maximum Compact Flash: Utilize up to 1GB

Protocol

Fingerprint/Direct Protocol: XON/XOF, ENQ/ACK, DTR, RTS/CTS
IPL (Future): XON/XOF, Intermec Standard Protocol

Display

Back-lit LCD for 2X16 characters and 3 LED indicator lamps

Keypad Control Panel

• Advanced Keypad (Fingerprint/DP)
• Alpha-numeric keypad (FP/DP option)
• Simplified Keypad (Future IPL)

Power Supply

115/230VAC auto switch w/PFC; Voltage Range: 90-265 VAC; Frequency Range: 45-65 Hz

Operating environment

Temperature: +5° to +40°C (+40° to + 104°F)
Humidity: 10-90% RH non-condensing

Regulatory Approvals

FCC, UL, CE

Options

Compact Flash Memory, FLASH and SDRAM SIMM, Various International Double Byte fonts, Alphanumeric keyboard/Keypad, Various Interface boards, RTC

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