



PEX-2000 Series Print Engine

Powerful Processing for Automatic Labeling



The 6-inch PEX-2000 Print Engines easily integrate into any label applicator for smooth daily operations, reducing integration effort and speeding up time-to-market.

The PEX-2000 is highly compatible with hardware and software for easy integration. It supports DB15 and DB25 interfaces and major printer brands' GPIO emulations. The customizable printer language firmware supports major printer languages so template commands and print files can remain the same.

The PEX-2000 is reliable for 24/7 operations, compact to meet space constraints, and is easy to service. From its angle-adjustable peel-off module, advanced sensor design, to optional RFID, the PEX-2000 provides precise functionality and future-proof technology. It's also compatible with the remote printer management tools, TSC Console and SOTI Connect.

Key Features



Easy Label Applicator Integration

- Compact and mounts in any orientation for label applicators
- Supports DB15 & DB25 interface and GPIO emulations
- Supports major printer languages with customizable firmware



Advanced Performance for Diverse Applications

- Peel-off works in angles of minus 18 to minus 3 degrees
- Top black mark sensor for preprinted labels
- Optional RFID



Reliable Design to Maximize Uptime

- Robust metal chassis withstands harsh environments
- Mean time between failures (MTBF) up to 22,000 hours
- Magnetic lock tightly seals the media door



Designed for Smooth Operations

- Simplified media handling and calibration, plus easier sensor cleaning
- Wide media handling space for easier installation



- Effortless printhead removal and replacement
- Rear chassis is compact and makes component replacement easy



Remotely Manage Print Engines

- Monitor with SOTI Connect's central dashboard
- Use TSC Console for deploying, monitoring, and troubleshooting

Applications



Transportation and Logistics

- Pallet Labeling
- Carton Shipping



Healthcare

- Pharmaceutical Labeling



Manufacturing

- Food and Beverage

PEX-2000 Series | Data Sheet

Printer Model (Left Hand & Right Hand)	PEX-2260L PEX-2260R	PEX-2360L PEX-2360R
Print Resolution	8 dots/mm (203 dpi)	12 dots/mm (300 dpi)
Printing Method	Thermal transfer and direct thermal	
Max. Print Speed	356mm (14")/second	305mm (12")/second
Max. Print Width	168 mm (6.61")	
Max. Print Length	14,732mm (580")	6,604mm (260")
Enclosure	Die-cast based print mechanism	
Physical Dimension	245mm (W) x 300mm (H) x 450mm (D) 9.65" (W) x 11.81" (H) x 17.71" (D)	
Weight	Net weight: 14.35kg (31.64lbs) Gross weight: 17.35kg (38.25lbs)	
Carton Dimension	401mm (W) x 365mm (H) x 573mm (D) 15.79" (W) x 14.37" (H) x 22.56" (D)	
Ribbon Capacity	600m long, max. O.D. 90mm, 1-in. core (ink coated outside or inside)	
Ribbon Width	76mm ~ 180mm (3" ~ 7.1")	
Processor	32-bit RISC high performance processor (BGA 536Mhz)	
Memory	• 512MB Flash memory • 512MB DDR2 RAM memory • USB device memory (FAT32) • Micro SD card reader for memory expansion, up to 32GB	
Interface	• RS-232 • USB 2.0 • Internal Ethernet 10/100 Mbps • USB host*2 (front and rear side), connecting USB storage device • GPIO (DB15F) + Centronics	
Power	• Auto sensing power supply (20% print ratio) • Input: AC 100-240V, 4-2A, 50-60Hz • Output: DC 5V, 5A; DC 24V, 7A; DC 36V, 1.4A; Total 243W	
Display	• Multi-language selectable • 3.5" IPS QVGA color display • 1 status indicator	
Operation Switch, Button	6 operation buttons (Menu, Pause/Feed, Up, Down, Left, Right)	
Sensors	• Gap transmissive sensor (Position adjustable, 1mm ~ 98mm) • Black mark reflective sensor (Bottom or Top black mark sensor switchable and position adjustable, 5mm ~ 92mm) • Ribbon end sensor (transmissive) • Ribbon encoder sensor • Head open sensor • Media cover open sensor • Label holder cover open sensor	
Internal Font	• 8 alpha-numeric bitmap fonts • One Monotype Imaging® CG Triumvirate Bold Condensed scalable font • Built-in Monotype True Type Font engine	
Barcode	• 1D bar code Code 11, Code 39, Code 49, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Standard 2 of 5, Industrial 2 of 5, Interleave 2 of 5, EAN-8, EAN-13, EAN-14, EAN-128, ITF14, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, PLANET, POSTNET, RSS-Stacked, GS1 DataBar, China Post, Telepen, LOGMARS • 2D bar code PDF-417, Micro PDF 417, Maxicode, DataMatrix, QR code, Aztec, TLC 39, RSS	
Font & Barcode Rotation	0, 90, 180, 270 degree	
Printer Language	TSPL-EZD (compatible to EPL,ZPL,ZPL II, DPL); Option for TSPL-EZS (compatible to EPL, ZPL, ZPL II, SBPL)	
Media Type	Continuous, die-cut, black mark, fan-fold, notch	
Media Wound Type	Outside wound	
Media Width	6-inch: 50.8mm ~ 180mm (2" ~ 7.09")	
Media Thickness	• Standard (Default): 0.076mm ~ 0.305mm (2.99mil ~ 12.01mil) • RFID tag: 0.076mm ~ 1.2mm (2.99 mil ~ 47.2mil, lift up the front gap sensor wall)	
Label Length (peel-off mode)	25.4mm ~ 152mm (1" ~ 6")	
RFID	• RAIN UHF Passive (GS1 EPC Gen2 v2/ISO 18000-63) • Fixed position antenna standard • Minimum label/Tag pitch 0.625" (15.9mm)	
RTC and Buzzer	Standard	
Environment Condition	• Operation: -5 ~ 45°C (23~ 113°F), 25~85% non-condensing • Storage: -40 ~ 60 °C (-40 ~ 140°F), 10~90% non-condensing	
Accessories	• Quick start guide • USB port cable • Power cord	
Dealer Option	• Wi-Fi 802.11a/b/g/n/ac with Bluetooth 4.2 combo module • GPIO (DB25F) • UHF RFID	
Safety Regulation	BSMI, CB, CCC, CE Class A, UKCA, RCM Class A, EAC, IC, FCC Class A, BIS, KC, cTUVus	



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