

PEX-1100

PEX-1200

PEX-1000 SERIES

Igniting Output with the Fastest Print Engine

TSC PRINT ENGINE: FASTER, RELIABLE, PROGRAMMABLE

TSC's innovative PEX-1000 Series print engine incorporates a robust die cast construction designed for years of reliability, ease of use, and cost-conscious serviceability. The PEX-1000 Series combines a precision print mechanism with high performance electronics to produce labels at up to 18 inches per second, the fastest in its class.

Designed for ease of integration, the PEX-1000 Series features a bolt-compatible construction with a commonly used GPIO interface and an easy to use color display. The PEX-1000 Series offers simple integration into both new and existing label application installations. It is ideal for manufacturing and logistic applications where high speed and high demand label printing is required.

KEY FEATURES

Rugged Design

- Durable and reliable, delivers outstanding print quality for every label
- State of the art and robust peel-off capability works with a wide range of label sizes, including excellent small label performance

High Performance

- Highest print speed in its class, up to 18 ips
- High precision label registration supports labels as small as 5 mm high
- Multiple connectivity - Industry Standard GPIO, USB, Parallel, Serial, Ethernet, options including Bluetooth 4.0 & 802.11 a/b/g/n wireless module

Exceptional Usability

- Exclusive color display is intuitive and easy to operate
- USB host in front supports one-step updates for label formats or firmware via USB drive

Ease of Maintenance

- Drawer design in rear for quick access to maintenance parts
- Media drive system is modular design for quick and easy access and replacement

Extensive Compatibility

- Easily mount the print engine into the current applicator and support print language emulation

APPLICATIONS

Manufacturing

- Automotive
- Food and Beverage

Warehouse & Logistics

- Pallet Labeling
- Carton Shipping

Healthcare

- Pharmaceutical labeling

PEX-1000 SERIES – Print Engine

MODEL LH RH	PEX-1120 PEX-1220	PEX-1130 PEX-1230	PEX-1160 PEX-1260
Resolution	8 dots/mm (203 DPI)	12 dots/mm (300 DPI)	24 dots/mm (600 DPI)
Printing method	Thermal Transfer & Direct Thermal		
Max. print speed	457 mm (18")/second	356 mm (14")/second	152 mm (6")/second
Max. print width	104 mm (4.09")		
Max. print length	25,400 mm (1000")	11,430 mm (450")	2,540 mm (100")
Enclosure	Die-cast based print mechanism		
Physical dimension	245 mm (W) x 300 mm (H) x 390 mm (D) 9.65" (W) x 11.81" (H) x 15.35" (D)		
Weight	13 kg (28.66 lbs)		
Ribbon	600 m long, max. OD 90 mm, 1" core (ink coated outside or inside)		
Ribbon width	25.4 mm ~ 114.3 mm (1" ~ 4.5")		
Processor	32-bit RISC CPU		
Memory	• 512 MB Flash memory • 512 MB SDRAM • microSD Flash memory card slot for Flash memory expansion, up to 32 GB		
Interface	• RS-232 • USB 2.0 • Internal Ethernet, 10/100 Mbps • USB host * 1 (front side), connecting USB storage device • GPIO + Centronics • Internal Bluetooth 4.0 (dealer option) • 802.11 a/b/g/n wireless (dealer option)		
Power	Internal universal switching power supply • Input: AC 100-240V, 4-2A, 50-60Hz • Output: DC 5V, 5A; DC 24V, 7A; DC 36V, 1.4A; Total 243W		
LED/LCD	• 3.5" color TFT display, 320 x 240 pixel • 1 status indicator		
Operation switch, button	• 6 buttons (Menu, Pause/Feed, Up, Down, Left, Right)		
Sensors	• Gap transmissive sensor (position adjustable) • Black mark reflective sensor (position adjustable) • Ribbon encoder sensor • Ribbon end sensor • Head open sensor • Media cover open sensor		
Real time clock	Standard		
Internal fonts	• 8 alpha-numeric bitmap fonts • Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font		
Bar code	• 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 and barcode rotation	0, 90, 180, 270 degree		
Printer language	TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)		
Media type	Continuous, die-cut, black mark, fan-fold, notch (outside wound)		
Media width	20 ~ 114 mm (0.8" ~ 4.5")		
Media thickness	0.076 ~ 0.305 mm (2.99 ~ 12.01 mil)		
Label length	5 ~ 25,400 mm (0.2" ~ 1,000")	5 ~ 11,430 mm (0.2" ~ 450")	5 ~ 2,540 mm (0.2" ~ 100")
Environment condition	Operation: 5 ~ 40°C, 25 ~ 85% non-condensing Storage: -40 ~ 60°C, 10 ~ 90% non-condensing		
Safety regulation	BSMI, CC, CE Class, EA, FCC Class A, BIS		
Environmental concern	Comply with RoHS, WEEE		
Accessories	• Windows labeling software CD disk • Quick start guide • USB cable • Power cord		
Limited warranty	• Printer: 2 years • Print head: 25 km (1 million inches) or 12 months which comes first • Platen: 50 km (2 million inches) or 12 months which comes first		
Dealer options	• 802.11 a/b/g/n wireless module • Internal Bluetooth 4.0		





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The Smarter Choice.

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