



PEX-1000 SERIES

Igniting Output with the Fastest Print Engine

TSC PRINT ENGINE: FAST, 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.

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
- With the high precision label positioning, it can print labels as small as 5mm in height.
- 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		<ul style="list-style-type: none"> • 512 MB Flash memory • 512 MB SDRAM • microSD Flash memory card slot for Flash memory expansion, up to 32 GB 		
Interface		<ul style="list-style-type: none"> • 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 <ul style="list-style-type: none"> • Input: AC 100-240V, 4-2A, 50-60Hz • Output: DC 5V, 5A; DC 24V, 7A; DC 36V, 1.4A; Total 243W 		
LED/LCD		<ul style="list-style-type: none"> • 3.5" color TFT display, 320 x 240 pixel • 1 status indicator 		
Operation switch, button		<ul style="list-style-type: none"> • 6 buttons (Menu, Pause/Feed, Up, Down, Left, Right) 		
Sensors		<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none"> • 8 alpha-numeric bitmap fonts • Monotype Imaging® true type font engine with one CG Triumvirate Bold Condensed scalable font 		
Bar code		<ul style="list-style-type: none"> • 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, CE Class, FCC Class A		
Environmental concern		Comply with RoHS, WEEE		
Accessories		<ul style="list-style-type: none"> • Windows labeling software CD disk • Quick start guide • USB cable • Power cord 		
Limited warranty		<ul style="list-style-type: none"> • 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		<ul style="list-style-type: none"> • 802.11 a/b/g/n wireless module • Internal Bluetooth 4.0 		



CORPORATE HEADQUARTERS

TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: apac_sales@tscprinters.com

LI ZE PLANT

TSC Auto ID Technology Co., Ltd.
Tel: +886 3 990 6677
E-mail: apac_sales@tscprinters.com

AMERICAS

TSC Auto ID Technology America Inc.
Tel: +1 657 258 0808
E-mail: americas_sales@tscprinters.com

MEXICO

TSC Mexico Representative Office
Tel: +1 52 (33) 3673 1406
E-mail: americas_sales@tscprinters.com

BRAZIL

TSC Brazil Representative Office
Tel: +55 (11) 3554 7225
E-mail: americas_sales@tscprinters.com

EMEA

TSC Auto ID Technology EMEA GmbH
Tel: +49 (0) 8106 37979 000
E-mail: emea_sales@tscprinters.com

RUSSIA

TSC Auto ID Technology EMEA GmbH
Tel: +7 495 249 9017
E-mail: emea_sales@tscprinters.com

MIDDLE EAST

TSC Auto ID Technology ME Ltd, FZE
Tel: +971 4 2533 069
E-mail: emea_sales@tscprinters.com

ASIA PACIFIC

TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: apac_sales@tscprinters.com

INDIA

TSC India Distributor's Office
Tel: +91 2267 082 465
E-mail: apac_sales@tscprinters.com

CHINA

Tianjin TSC Auto ID Technology Co., Ltd.
Tel: +86 22 5981 6661
E-mail: apac_sales@tscprinters.com

KOREA

TSC Korea Representative Office
Tel: +82 2 852 3322
E-mail: apac_sales@tscprinters.com



TSC® ist ein eingetragenes Warenzeichen der TSC Auto ID Technology Co., Ltd.
TSC Auto ID Technology Co., Ltd. ist ein eingetragenes ISO 9001/14001 Unternehmen.
© 2020 TSC Auto ID Technology Co., Ltd.
Produkte und Spezifikationen - Änderungen vorbehalten.
Für weitere Informationen wenden Sie sich bitte an TSC oder Ihren TSC Händler.