

TX Series Industrial Label Printers



Overview

The TX series come combined with the powerful quad core processor, they can easily achieve stunning printout quality with the brand new HEAT™ algorithm, lock media positional accuracy down to +/-0.5mm with ADAPT™(Advanced Dynamic Adaptive Precision Tuning), or automatically verify every RFID label after printing with the optional verification package. User can easily do all those things and more with the inclusion of a 4.5 inch LCD touch screen display.

Benefits

- Quad-core Processor Provides Unimagineable Processing Power
- Fixed Print Engine Frame Delivers Unparalleled Stability and Durability
- 4.5-inch Color Touch Screen is One of the Most Effective Tool at Increasing Work Efficiency
- ADAPT™ Can Provide Consistent and Precise Printout
- Optimal Ribbon Tension Adjustment Scheme Can Easily Finetune The Ribbon Tension
- Media Tension Mechanism Ensures Accurate Printing
- Real-time Remaining Consumable Levels
- RFID Verification Can Mark the Erroneous Label or Tag and Reprinting

Technical Specification

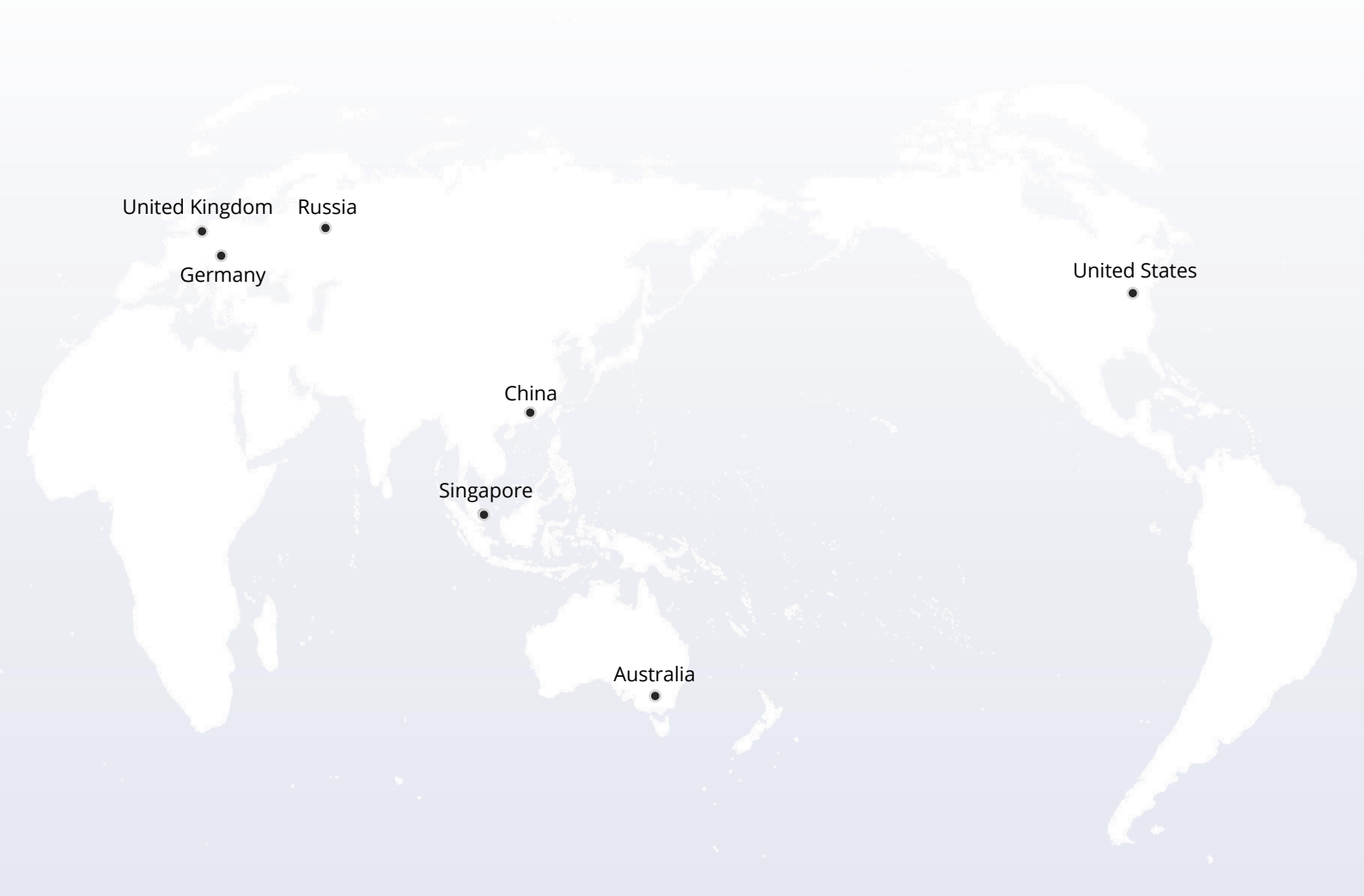
Model	TX2 Exp	TX3 EXP	TX3r EXP	TX6 EXP
Print Mode	Direct Thermal and Thermal Transfer			
Print Resolution	203 dpi	300 dpi	300 dpi	600 dpi
Max Print Speed	16 ips (406.4 mm/s)	12 ips (304.8 mm/s)	12 ips (304.8 mm/s)	6 ips (152.4 mm/s)
Max Print Width	4.09" (104 mm)	4.16" (105.7 mm)	4.16" (105.7 mm)	4.16" (105.6 mm)
Max Print Length	196" (5000 mm)			
MPU	64-bit, quad Arm® Cortex®-A53 core, maximum operating frequency 1.8 GHz			
GPU	GC NanoUltra 3D (1 shader) & GC320 2D OpenGL ES 2.0			
Memory	2GB DDR4 RAM, 8GB managed NAND flash			
HEAT™① Level	I			
RFID Encoder	Supports UHF EPC Gen 2, ISO 18000-6C protocols (Only available for RFID models)			
Media Roll	Maximum Media Width: 4.56" (116 mm) Minimum Media Width: 0.39" (10 mm) Maximum Outer Diameter: 8" (203.2 mm) Inner Diameter: 1.5" (38 mm) / 3" (76.2 mm)			
Minimum Label Length	Tear-off: 0.2" (5 mm)			
	Cutter: 0.79" (20 mm)			
Media Thickness	Regular Barcode Label Printer and Regular RFID Label Printer: 0.0024" ~ 0.012" (0.06 ~ 0.305 mm), including liner Mount-on-Metal RFID Label Printer②: 0.063" (1.6 mm) max., including liner			
Ribbon	Maximum Ribbon Length: 1968' (600 m) Maximum Ribbon Width: 4.65" (118 mm) Maximum Outer Diameter: 3.31" (84 mm) Inner Diameter: 1" (25.4 mm) Ink side: both In and Out			
Media Sensor	Upper reflective: detects black marks on print side Lower reflective: detects black marks on back side Transmissive: detects gaps, notches, holes			
Fonts	Five built-in dot matrix fonts, which include Basic Latin and Latin-1 Supplement character sets. Two built-in scalable fonts. One supports Latin, Greek and Cyrillic scripts, and the other is a GB2312 Chinese character set specifically. User downloadable TrueType fonts.			

Technical Specification

Model	TX2 Exp	TX3 EXP	TX3r EXP	TX6 EXP
Barcode Types	1D Barcodes: Code 39, Code 93, Code 128/subset A,B,C, Codabar, Interleave 2 of 5, UPC A/E 2 and 5 add-on, EAN-13/8/128, UCC-128, etc. 2D Barcodes: MaxiCode, PDF417, Data Matrix, QR Code, CS Code, etc.			
Interfaces	RS-232 Serial, 10/100/1000Mbps Adaptive Ethernet, USB DEVICE 2.0, USB HOST			
LCD Display	4.5" LCD Capacitive Touchscreen			
Power Source	100 ~ 240 V AC, 50/60 Hz			
Print Mode	Five built-in dot matrix fonts, which include Basic Latin and Latin-1 Supplement character sets. Two built-in scalable fonts. One supports Latin, Greek and Cyrillic scripts, and the other is a GB2312 Chinese character set specifically. User downloadable TrueType fonts.			
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Interfaces	RS-232 Serial, 10/100/1000Mbps Adaptive Ethernet, USB DEVICE 2.0, USB HOST			
LCD Display	4.5" LCD Capacitive Touchscreen			
Power Source	100 ~ 240 V AC, 50/60 Hz			
Weight	33.07 lbs (15 kgs)			
Dimensions	W 11.3" (286 mm) × D 17.6" (448 mm) × H 10.7" (271 mm)			
Operating Environment	Temperature: 32°F ~ +104°F (0°C ~ 40°C) Relative humidity: 5% ~ 85% non-condensing			
Storage Environment	Temperature: -40°F ~ +140°F (-40°C ~ 60°C) Relative humidity: 5% ~ 85% non-condensing			

Note:

- HEAT™, or Heating Equilibrium Adaptive Tuning, is a POSTEK designed and developed cutting-edge technology that sets the benchmark for heat management in thermal printing. Printers equipped with HEAT™ have significant improvements in their printout clarity and print speed. The HEAT™ level represents the fineness of the heating uniformity with level I being the finest.
- For Mount-on-Metal RFID tags, the flexibility of the tag and whether or not to use fillings to bridge the gaps between tags can affect print quality and even encoding success rate. It is strongly recommended to test the tags on this POSTEK printer before purchasing.



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