TSP800 Series

High Speed, Wide Format Barcode, Label, Receipt and Ticket Printer

- Versatile 150mm / sec. Barcode, Label, Receipt & Ticket Printer with Autocutter

- Unique 104mm / 4" print width – on paper stock up to 150g/m². 82.5 and 80mm paper rolls can also be accommodated using the optional paper guides

- Internal or External Paper Feed Paths (external for large capacity or security applications)

- "Drop-In & Print", easy paper loading

- Two colour output when required with comparable running costs to other technologies – red / black or blue / black

- Compact Footprint (180 (w) x 213 (d) x 148 (h) mm) with vertical "Desk Boot" and Wall Mount options

- ESC/POS™ compatible in standard and "Super Large" mode

- Automatic scalable raster driver for immediate A4 reduction to virtual A6. Ideal for desktop replacement printer, internet café and kiosk use

Typical Applications

- **High Quality POS Receipt Printer** with shelf edge labelling feature

- **Barcode Printer**

- **Ticket / Label / Kiosk / Information Terminal Printer** with black mark sensor

- **Kiosk Information Terminal Printer** Desk boot option & external paper feed path

- **Internet Printer** Screen image reduction feature

- **Remote Printer**

- **Industrial Printer** Data logging, journals – high capacity paper rolls

TSP847D Serial Interface

TSP847C Parallel Interface

150mm per second — HIGH SPEED

EASY LOAD

KIOSK PRINTER

A4 → 50% RASTER SCALER — FULL SCREEN GRAPHICS DOWN TO 112mm WIDE

UP TO 0.15mm — BARCODE, LABEL & TICKETS up to 150gsm

star — LOGO STORE 16 Mbit FLASH ROM

BI-DIRECTIONAL STATUS CHECK

OR — 2 COLOUR: RED/BLACK, BLUE/BLACK

High speed USB and Ethernet interface options (user installable)

Versatile 112mm output for all retail and kiosk environments

Unique kiosk printer for automatically scaled A4 to A6 output. (See the Star Kiosk brochure for further details)

External paper feed path for secure or high capacity applications

Wall mount and desk boot options

80mm   82.5mm for Lottery Tickets

User Installable Paper Guide option
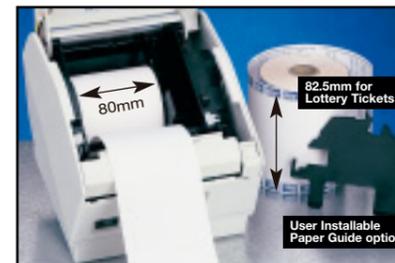
112mm paper width standard. 82.5 and 80mm paper also available with optional paper guide

Barcodes, labels, receipts and tickets all from one model at speeds up to 150mm / second

Automatic Second Copy Raster Driver with minimal software changes

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TSP800 Printer Specifications

Printer Method	Direct Linear Thermal
Print Speed	Max. 150mm per sec. / 35 lps @ 6lpi (47 lps @ 8 lpi)
Paper Feed Speed	150mm per sec.
No. of Columns (maximum)	104mm with A4 reduction facility
Resolution	203 dpi (8 dots per mm)
Character Matrix	ANK. 12 x 24. IBM Graphic 12 x 32
Character Set	ANK 95, 32 Int 128 Graphic
Print Width	up to 104mm / 832 dots
Code Pages / Character Table	40 Code pages, Katakana, IBM
Barcodes	9 versions / PDF417, Maxicode Option (Pending)
Line Spacing	3mm or 4mm (programmable)
Flash ROM / SRAM	2 x 8 Mbit plus 2 x 1 Mbit Static RAM
Paper Specifications: Width Roll Diameter Thickness Loading	 112mm 100mm 0.065 ~ 0.15mm, 63 ~ 150gsm "Drop-in & Print"
Printer Reliability: Printer Print Head Cutter (Guillotine)	 37 million lines (CRT MCBF) 12.5 million lines (Traditional) 100 Km 65 ~ 75µm. 1 million cuts
Emulation	Star Line & Page Mode, DP8340 Mode & ESC/POS™
Interface	RS232C Serial or Parallel as standard USB, 9-pin Serial and Ethernet options
Data Buffer	4 KByte / 8 KByte 1 Line Selectable
Peripheral Drive	2 Drivers + 1 Compulsion Input
Safety Standards EMI	UL, C-UL, TÜV, CB FCC, VCCI, EN55022, CE marking
Drivers Available	Windows 95 / 98™, NT4.0™, XP™, OPOS™, JavaPOS™, Linux CUPS Support™, Scalable Raster Driver
Operating Conditions: Temperature Humidity	 5 ~ 45°C 10 ~ 90% RH (Non condensation)
Storage Conditions: Temperature Humidity	 -20 ~ +60°C 10 ~ 90% RH (Non condensation)
Power Consumption	Operating / Waiting – Average 1.8 / 0.15A Uses PS60 – 24V with Hosiden connector
Overall Dimensions	180 (W) x 213 (D) x 148 (H) mm
Weight	1.7Kg (without paper)
Options	PS60 Power Supply 82.5 or 80mm Paper Guide Power Switch Cover USB, 9-pin RS232C & Ethernet Interfaces Wall and Vertical Mount Kits
Additional Features	Full and Partial Cut, Rear Paper Path Near End Paper Sensor Black Mark Sensor Star White or Charcoal Grey Casing Logo Store, Power Switch Cover

Automatic Page Scaling – A4 to virtual A6

The new **TSP800 Scalable Raster Driver** provides the ability to format a page or screen image in the same way as a standard PC printer and then print that image on 112mm wide paper up to 0.15mm thick. All this at up to 150mm / sec, without the need for additional software!

TSP800 SCALABLE RASTER DRIVER

A4 ▶ A6