



TSP650 Series

High Spec, Fast, Entry-Level Receipt Printer



- High performance, entry-level receipt printer capable of printing at a non-hesitating 150mm per second with an outstanding data throughput
- High quality 203 dpi print quality with barcode capability including 2D for receipts, coupons and ticketing, etc.
- Easy-to-use AutoLogo™ marketing / stock management tool with the ability to configure / download up to 15 graphics or coupons without any expensive software changes or complicated set up procedures

- Start up accessories provided with printer include:
 - ★ Operating CD with a suite of drivers
 - ★ Wall mount plate with vertical kit including both horizontal and vertical mount paper near end sensors
 - ★ Paper guide for choice of 58mm or 80mm paper widths
 - ★ Power switch cover to prevent accidental switch off
 - ★ Start up paper roll

- TSP650 options include:

- ★ Warning buzzer
- ★ Power supply PS60
- ★ USB and low cost Ethernet interfaces
- ★ Splash proof cover
- ★ Charcoal grey display stand with in-store A5 graphics facility

Typical Applications

- Point-of-Sale ■ Ticketing
- Retail ■ Hospitality

TSP651 Tear Bar Version

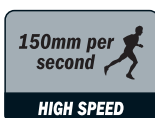
TSP654 Autocutter Version

*All models are available in charcoal grey or Star white, with either serial RS232C or parallel interfaces as standard.
(USB and low cost Ethernet options are available for future upgrades)*

AutoLogo™ - a valuable graphics utility from Star

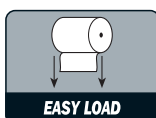
AutoLogo™ is a Star PoS Printer "side" feature working alongside existing POS software. It allows users to quickly and easily add logos or information / graphics to a receipt without affecting existing software.

Many retailers are prepared to "live" with their current receipt format as the benefits of changing the top logo or using the receipt for distributing information such as imminent sales or holiday closing times etc are outweighed by the cost and disturbance of major software changes. AutoLogo™ allows retailers to achieve these benefits without any IT upsets.



150mm per second

HIGH SPEED



EASY LOAD



TEAR BAR OR AUTOCUTTER



TT Fonts
HIGH SPEED SCALABLE RASTER



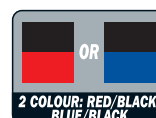
60,000,000 LINES
CMT RELIABILITY



1 2345
BARCODE COUPONS



BI-DIRECTIONAL STATUS CHECK



2 COLOUR: RED/BLACK, BLUE/BLACK



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www.Star-EMEA.com



Optional charcoal grey display stand with in-store A5 graphics facility



Two colour output - red & black or blue & black



Tear Bar and Autocutter versions



High quality barcodes for coupons or tickets



Easy-to-use AutoLogo™ graphics tool able to configure / download up to 15 coupons without any expensive software changes using a simple wizard-driven utility. Load & "ID" a graphic to then trigger a profit-making coupon etc.



"Drop-In & Print" Easy Load



Moulded desk boot for vertical operation



Splash Proof Cover option adds extra protection



Power Switch Cover



Optional wall mount plate included



Compatibility with most major operating systems

TSP650 Printer Specifications

Printer Method	Direct Thermal Line Printing
Print Speed	up to 150mm / second
Print Resolution	203 dpi
Two Colour Print Capability	Red, Blue and Black (special paper required)
No. of Columns	48 / 64
Character Set	ANK 95, 32 Int 128 Graphic
International Code Pages	Star Mode = 40. ESC/POS™ = 6 & 1 Blank allowing an additional character page to be added
Barcodes	9 versions / PDF417 option
Line Spacing	3mm or 4mm + Programmable
Paper Feed Speed	up to 150mm / sec.
Paper Specifications:	
Width	80mm standard / 58mm (paper guide)
Weight	0.065 ~ 0.085mm / 63 ~ 85gsm
Roll Diameter	83mm
Easy-Load	"Drop-In & Print"
Paper End	Standard
Near End Sensor	Horizontal and vertical use
Maximum Print Width	80mm paper = 72mm, 58mm paper = 52mm
Top Margin	13mm default (3mm selectable via Memory Switch)
Autocutter (guillotine)	Partial cut (centre cut)
Logo Store	2 Mbit Flash ROM with graphic management software
Flash ROM	16Mbits
Drivers Available	Windows 2000/XP, Vista™, WePOS, OPOS™, Linux™, Java-POS™, POS.Net, Mac OS X, USB Vendor Class, Windows 98/ME/NT4 (download only)
Interface Versions	Serial or Parallel with USB and low cost Ethernet options
Emulation	Star Line Mode & ESC/POS™
Peripheral Drive Circuit	2 circuits (24V max. 1A), 1 Compulsion input
Power Consumption	Operating / Waiting - Average 1.8 / 0.15A Uses PS60A - 24 Psu with Hosiden connector
Operating Conditions:	
Temperature	5°C to 45°C
Humidity	10% ~ 90% RH (without condensation)
Storage Conditions:	
Temperature	-20 to 60°C
Humidity	10% ~ 90% RH
Dimensions	142 (w) x 202 (d) x 132 (h) mm
Weight	1.72 / 1.56Kg (Autocutter / Tear Bar version)
Safety Standards	UL, C-UL, TÜV, FCC, VCCI, EN55022, CE, Gost
Reliability:	
Printer	60 million lines (MCBF)
Autocutter (Guillotine)	1.5 million cuts
Options	Parallel (IFBD-HC03), Serial (IFBD-HD03), Ethernet (IFBD-HE05), USB (IFBD-HU05) Interfaces Wall & Vertical Mount Kits (basic wall mount kit supplied with printer) Charcoal grey display stand with in-store A5 graphics facility Splash Proof Cover, Buzzer AutoLogo™ Marketing software download from www.Star-EMEA.com/techsupport

Star Choice to suit your budget

Once again, Star has produced a high spec., entry-level receipt printer which will happily slip into the majority of POS and Hospitality solutions. Producing fast, high quality receipts with the very latest, leading edge components, this printer takes data processing to a new level.

Only Star is able to offer such a huge range of single station POS printers and the TSP650 extends the choice to suit your budget.

