POS PRINTING SOLUTIONS

RETAIL • HOSPITALITY • KIOSK • LABELING • TICKETING • LOTTERY
AIRLINE • BANKING • HEALTHCARE • PUBLIC SAFETY • GAMING

star
micronics

Star Micronics

Star Micronics, one of the world's largest printer manufacturers, has designed a portfolio of thermal and impact point-of-sale printers for use in a wide variety of applications. With over thirty years of manufacturing expertise and a highly-skilled R&D department, Star has not only developed printers which offer high performance and reliability, but introduced a number of unique profit-making features for the user without extra cost or extensive IT knowledge required.

The Star Difference

Star has extensively researched the needs of its users and is proud to be able to demonstrate The Star Difference in so many areas of its business, from creating the first dedicated splash-proof cover for hospitality, to providing the lowest cost quality printer of its type.

The TSP100 *futurePRNT* will print modern TrueType fonts at the same speed as the more old-fashioned resident fonts and has accessories and installation software included; all in one box. Star Micronics' philosophy of providing more than our competitors at the right price is no more apparent than today.

VALUE-ADDED HARDWARE DESIGNED FOR SPECIFIC APPLICATIONS

High Performance linked with Unmatched Versatility

Star Micronics' investment in all areas of the POS Printer "Build" has led to a re-think in the measurement of print speed. Measuring "mm per second" no longer reflects the true performance that the user is looking for when waiting for that receipt. The overall combination of new technology, software drivers, the latest processing chips and the expertise to put all this together has resulted

in printers with unmatched price performance ratios – high quality, low cost printers producing up to 50 receipts per minute. And, that's not all; Star Micronics is still the only manufacturer able to produce a single station printer that can output a six inch receipt in less than one second as well as printing barcodes, labels and tickets on paper up to 0.15mm thick.

This is just one of the reasons why the TSP700II is one of the world's best known receipt printers.

The Star Choice

Star Micronics' product philosophy has always been to give the customer a choice of products to meet their individual requirements. The wide range of choice available, encompassing

on-demand ticketing and labeling printers as well as kiosk printers, is continually expanding and with the latest addition of a revolutionary new low cost "complete" receipt printer, the demands of customers

operating in a variety of environments including hospitality, retail, kiosk construction, ticketing, and labeling are effectively being met.

Typical Applications

Banking & Credit Union: • TSP700II • TSP800 • HSP7000 • FVP-10	**Bar Service:** • SP700 • FVP-10 • TSP1000 • TSP650	**Data Terminal:** • SP500 • TSP650	
Convenience Stores: • HSP7000 • SP700 • TSP650	**Hotel / Motel:** • TSP800 • TCP300/TCP400	**Kitchen:** • SP700 • SP500 • FVP-10 • TSP100LAN	
Labels / Warehouse: • TSP828 • TSP700II • SM-T300	**Law Enforcement:** • TSP800 • SM-S400	**Lottery & Gaming Kiosks:** • TSP1000 • TSP700II • TUP900 • TUP500	
Healthcare: • TSP800Rx • TSP700II • TSP650	**Pizza & Delivery Service:** • TSP800 • SP700	**Point Of Sale:** • TSP100 • TSP650 • TSP700II	
QSR: • TSP100 • TSP650 • SP700 • FVP-10	**Retail:** • HSP7000 • TSP700II • TSP100	**Spa & Salon:** • TSP100 • TSP700II • TSP650	

Content

Star Support

Star Micronics continues to invest money and effort towards providing support for a wide selection of platforms with a full range of sophisticated printer drivers. Star Micronics' latest products demonstrate our determination to provide the best printers on the market with new "intuitive" installation software and drivers with Digital Signature Certification (WHQL) for Microsoft[®] Desktop Operating Systems including Windows 7 and Embedded offerings from CE to POSReady2009. This is in addition to providing full support for industry standard development platforms such as JavaPOS™, OPOS™ and Microsoft[®] POS for .Net.

Star Key Product Summary

The Star Printer Series	TSP100ECO	FVP-10	2 Inch Printer SM-S200	3 Inch Printers SM-S300	SM-T300	4 Inch Printer SM-S400
	page 12	page 18-19	page 38-39	page 38-39	page 38-39	page 38-39
	First Eco Dedicated POS Printer with Paper and Power Saving Features	Front Loading, Voice Enabled Printer	2 Inch Portable Printer with Blue Light LCD Display	3 Inch Portable Printer	3 Inch Ultra Durable Portable Printer with LCD Display	4 Inch Portable Printer
Print Speed	150mm / sec.	250mm/sec	80mm/sec	65mm/sec	75mm/sec	50mm/sec
No. of Columns	48 or 64 col Star or ESC/POS™	40 col	42 col	64 col	64 col	92 col
Delivery Mechanism	Partial Guillotine Cut or Tear Bar Models	Full / Partial Guillotine Cut	Tear Bar	Tear Bar	Tear Bar	Tear Bar
Paper Width	80mm (58mm using guide provided)	58 ~ 80mm Fully Adjustable	58mm	80mm	80mm	112mm
Thickness	0.06 ~ 0.085mm	0.06 ~ 0.15mm	0.06 ~ 0.07mm	0.06 ~ 0.07mm	0.06 ~ 0.07mm	0.06 ~ 0.07mm
Paper Roll (diameter)	83mm	83mm	38mm	38mm	50mm	38mm
No. of copies	Auto Multi Copy Software Tool	Automatic Second Copy Through Driver Function	Original Only	Original Only	Original Only	Original Only
Print Width	50.8mm (58mm paper) 72mm (80mm paper)	72mm	48mm	72mm	72mm	104mm
Interface	USB, PoweredUSB or Ethernet with "virtual" serial port emulator Cable Supplied	USB Standard with Serial, Parallel, PoweredUSB or Ethernet	Bluetooth (2.1), Serial	Bluetooth (2.1), Serial	Bluetooth (2.1), Serial	Bluetooth (2.1), Serial
Power Supply	Internal Power Cable Included	External Option (PS60)	1,800mAh Lithium Ion Rechargeable Battery	1,800mAh Lithium Ion Rechargeable Battery	1,800mAh Lithium Ion Rechargeable Battery	1,800mAh Lithium Ion Rechargeable Battery
Reliability	60 Million Lines	60 Million Lines	37 Million Lines	37 Million Lines	37 Million Lines	37 Million Lines
Dimensions (w x d x h) mm	142 x 204 x 132	144 x 227.7 x 114	80 x 112 x 46	107.4 x 88.5 x 45	120 x 130.5 x 58.4	138.4 x 88.5 x 45.7
Main Features	All Accessories Included Splash Proof Cover / Buzzer Options Dedicated USB, PoweredUSB or Ethernet Connections Recessed Cable Connections Colors: Putty or Gray	Voice Enabled Front Exit Printing Under the Counter Mounting Platform Top Cover Waterproof Recessed Cable Connections Colors: Gray	2 Inch Portable Printer 80 mm/sec Pocket Size- 80.5 x 113.5 x 46 mm Long Battery Life Bluetooth 2.1 / Serial Magnetic Stripe Reader Blue Light LCD Display Cover Open Sensor	3 Inch Portable Printer 65 mm/sec Pocket Size - 107.4 x 88.5 x 45 mm Long Battery Life Bluetooth 2.1 / Serial Magnetic Stripe Reader Supports Multiple Language Printing	3 Inch Ultra Durable Portable Printer 75 mm/sec Pocket Size - 107.4 x 88.5 x 45 mm Long Battery Life Bluetooth 2.1 / Serial Magnetic Stripe Reader LCD Display Waterproof Design	4 Inch Portable Printer 60 mm/sec Pocket Size - 138.4 x 88.5 x 45.7 mm Long Battery Life Bluetooth 2.1 / Serial Magnetic Stripe Reader Supports Multiple Language Printing

The Star Printer Series

	SP500	SP700	HSP7000	TSP700II	TSP100GT futurePRNT	TSP100U, TSP100PUSB & TSP100LAN futurePRNT	TSP650
	page 31	page 32-33	page 28-29	page 20-21	page 13	page 14-15	page 16-17
	Low Cost, High Speed 9-pin Matrix Receipt Printer	High Speed, Easy-Load 9-pin Matrix Printer	World's Fastest Thermal / Matrix Slip Hybrid Printer	High Speed Thermal Barcode, Label & Receipt Printer	New, High Speed "All-in-One-Box" Thermal USB Receipt Printer	Dedicated Value Driven USB, PUSB, Ethernet Thermal Printer	Cost Effective Thermal Receipt Printer
Print Speed (lps = lines per second)	12 receipts per min. 7.0 ~ 7.5 lps	13 receipts per min. 4.7 ~ 8.9 lps	Thermal: 48 receipts per min. Slip: 4.82 lps	48 receipts per min. 250mm / sec.	45 receipts per min. 250mm / sec.	22 receipts per min. 125mm / sec.	30 receipts per min. 150mm / sec.
No. of Columns	76mm – 40 / 42 / 35 58mm – 30 / 32 / 26	42 / 35 col	Receipt: 48 or 64 Star Mode or ESC/POS Slip: 60 or 45 col	48 / 64 or 53 / 71 col depending on paper width	48 or 64 col Star or ESC/POS™	48 or 64 col Star or ESC/POS™	48 or 64 col Star or ESC/POS™
Delivery Mechanism	Full / Partial Cut or Tear Bar Models	Full / Partial Guillotine Cut with Tear Bar or Tear Bar Only Models	Partial Guillotine Cut	Full / Partial Guillotine Cut	Partial Guillotine Cut or Tear Bar Models	Partial Guillotine Cut or Tear Bar Models	Partial Guillotine Cut or Tear Bar Models
Paper Width	76mm (58mm using guide provided)	76mm (69.5 and 58mm using guide provided)	Thermal: 80mm (76, 58mm using guide) Matrix: 68 ~ 230mm	80mm (82.5 and 58mm by moving pre installed guide)	80mm (58mm using guide provided)	80mm (58mm using guide provided)	80mm (58mm using guide provided)
Thickness	0.07 ~ 0.10mm	0.06 ~ 0.085mm	Thermal: 0.06 ~ 0.085mm Matrix: 0.09 ~ 0.31mm	0.06 ~ 0.15mm	0.06 ~ 0.085mm	0.06 ~ 0.085mm	0.06 ~ 0.085mm
Paper Roll (diameter)	85mm	85mm	83mm	100mm	83mm	83mm	83mm
No. of copies	Original + 2	Original + 1 (2 ply) Original + 2 (3 ply)	Original + 3 (Matrix)	Automatic 2nd Copy Raster Feature	Auto Multi Copy Software Tool	Auto Multi Copy Software Tool	Automatic 2nd Copy Raster Feature
Max thickness	(1+2) 0.20mm	(1+2) 0.20mm	(1+3) 0.31mm	0.15mm	0.085mm	0.085mm	0.085mm
Print Width	45mm (58mm paper) 63mm (76mm paper)	45mm (58mm paper) 63mm (76mm paper)	Receipt: 51, 68, 72 (default) mm Slip: max. 85.4mm	50.8mm (58mm paper) 72mm (80mm paper) 80mm (82mm paper)	50.8mm (58mm paper) 72mm (80mm paper)	50.8mm (58mm paper) 72mm (80mm paper)	50.8mm (58mm paper) 72mm (80mm paper)
Interface	RS232C. Parallel, USB, Ethernet, WiFi	RS232, Parallel, USB, Ethernet, WiFi	RS232C, Parallel USB, PoweredUSB, Ethernet	Serial, Parallel, USB, Ethernet, WiFi	USB 2.0 Full Speed with "virtual" serial port emulator Cable Supplied	USB, PoweredUSB or Ethernet with "virtual" serial port emulator Cable Supplied	Serial, Parallel, USB or Ethernet
Ink Ribbon	RC200B (Blk) RC2000D Laundry	RC700B (Blk) RC700BR (Blk / Red) RC700D Laundry	RC-7KB				
Power Supply	Internal Power Cable Included	Internal Power Cable Included	External Option (PS60)	External Option (PS60)	Internal Power Cable Included	Internal Power Cable Included	External Option (PS60)
Reliability	22 Million Lines	22 Million Lines	Thermal: 60 Million Lines Slip: 37 Million Lines	60 Million Lines	60 Million Lines	60 Million Lines	60 Million Lines
Dimensions (w x d x h) mm	140 x 225 x 163	160 x 245 x 152	186 x 296 x 177	147 x 213 x 148	142 x 204 x 132	142 x 204 x 132	142 x 202 x 132
Additional Features	Black Mark Sensor Vertical Display Stand / Wall Mount / Buzzer Options Near End Paper Sensor Option Paper Rewind Version Recessed Cable Connections Colors: Putty or Gray	Black Mark Sensor Vertical Display Stand / Wall Mount / Buzzer Options Paper Rewind Version Splash Resistant Design Recessed Cable Connections Colors: Putty or Gray	3 Versions, Top Bottom or No MICR Print Receipts, Endorse/ Validate and Read the MICR with a single model Recessed Cable Connections Colors: Putty or Gray	Black Mark / Near End Sensors Standard / 2D Barcode Support Vertical Display Stand / Splash Proof Cover / Kitchen Buzzer Options Recessed Cable Connections with Included Interface Cover Colors: Putty or Gray	All Accessories Included Display Stand / Splash Proof Cover / Buzzer Options High Class, Sophisticated Design Recessed Cable Connections Colors: Glossy Piano Black or Ice White	All Accessories Included Splash Proof Cover / Buzzer Options Dedicated USB, PoweredUSB or Ethernet Connections Recessed Cable Connections Colors: Putty or Gray	Entry Level Serial or Parallel Connections with USB and Ethernet Upgrade Options Display Stand / Splash Proof Cover / Buzzer Options Recessed Cable Connections Colors: Putty or Gray

The Star Printer Series

	DP8340	SP298	TSP800	TSP800Rx	TSP828	TSP1000	TUP900	TUP500
	page 30	page 34	page 22-23	page 24	page 25	page 26-27	page 36-37	page 36-37
	12-Volt / Mobile Mountable 9-pin Matrix Receipt / Label Printer	9-pin Matrix Slip Printer	High Speed Thermal Barcode, Label, Ticket & Receipt Printer	High Speed Secure Prescription Printer	Dedicated Thermal Label Printer with Auto-Peeler	Thermal Printer with Multiple Receipt / Ticket Stacker	Open Frame Kiosk / Terminal Printer	The Ultimate Modular Kiosk Printer Solution
Print Speed (lps = lines per second)	2.0 lps	3.1 lps	34 receipts per min. 180mm / sec.	25 Prescriptions per min. 150mm / sec.	150mm / sec.	34 receipts per min. up to 180mm / sec.	150mm / sec.	up to 220mm / sec.
No. of Columns	40 col (48 or 60 col option)	42 col	112mm A4 Reduction Capability	112mm A4 Reduction Capability	up to 92 columns (driver dependent)	48 / 64 or 53 / 71 col depending on paper width	40 to 80 with A4 reduction capability on 112mm paper	Max. 65
Delivery Mechanism	Tear Bar Only	Slip Printer	Full / Partial Guillotine Cut with Tear Bar	Full / Partial Guillotine Cut with Tear Bar	Peel or Batch Print Mode	Full Guillotine Cut	TUP992: Full Guillotine Cut + Present TUP942: Partial / Full Guillotine Cut	TUP592: Full Guillotine Cut + Present TUP542: Partial / Full Guillotine Cut
Paper Width	114.3mm	Minimum 80mm	112mm standard, (82.5, 58 or 80mm options with User Installable Paper Guide Option)	112mm standard, (82.5, 58 or 80mm options with User Installable Paper Guide Option)	41 ~ 108mm thermal label 45 ~ 112mm thermal paper roll	45 ~ 82.5mm	80 ~ 112mm adjustable	45 ~ 82.5mm adjustable
Thickness	0.07 ~ 0.09mm	0.09 ~ 0.20mm	0.06 ~ 0.15mm	0.06 ~ 0.15mm	Paper Roll: 0.06 ~ 0.15mm Labels: 0.06 ~ 0.19mm (Label + Liner)	0.06 ~ 0.15mm	0.06 ~ 0.15mm	0.06 ~ 0.15mm
Paper Roll (diameter)	80mm		100mm	100mm	110mm	180mm	150 / 250mm (option)	150 / 250mm (option)
No. of copies	Original + 1	Original + 2	Automatic 2nd Copy Raster Feature	Automatic 2nd Copy Raster Feature	Original only	Original only	Automatic 2nd Copy Raster Feature	Automatic 2nd Copy Raster Feature
Max thickness	(1+1) 0.13mm	(1+2) 0.25mm	0.15mm	0.15mm	0.19mm	0.15mm	0.15mm	0.15mm
Print Width	84.3mm	63mm	104mm	104mm	104mm	80mm on 82.5mm wide paper	72mm ~ 104mm	Max. 74mm
Interface	RS232C or Parallel	RS232C or Parallel	RS232C, Parallel, USB, Ethernet	RS232C, Parallel, USB, Ethernet, WiFi	RS232C, Parallel, USB, Ethernet	RS232C, Parallel, USB, Ethernet	RS232C, Parallel, USB	RS232C, Parallel, USB, Ethernet
Ink Ribbon	SF03B (Blk) SF03BR (Blk / Red)	RC200B (Blk) RC2000D Laundry						
Power Supply	External Option (PS8340)	External Option (PS60)	External Option (PS60)	External Included	External Included	External Option (PS60)	External Option (PS60)	External Option (PS60)
Reliability	10 Million Lines	9 Million Lines	37 Million Lines	37 Million Lines	37 Million Lines	60 Million Lines	37 Million Lines	60 Million Lines
Dimensions (w x d x h) mm	202 x 200 x 98 (without paper holder)	180 x 190 x 138.5	180 x 213 x 148	180 x 213 x 148	180 x 213 x 157	161 x 306.5 x 249	192 x 179 x 249.3	160.0 x 179.0 x 234.1
Additional Features	Red / Black Versions Friction or Sprocket Versions Multiple Copies 12 VDC Power Color: Putty	Auto Side Loading Instant Top of Form Positioning Colors: Putty or Gray	Black Mark / Near End Sensors Vertical Display Stand / Wall Mount / Kitchen Buzzer Options External Paper Feed Slot A4 to A6 Scalable Raster Driver Colors: Putty or Gray	Black Mark Sensor Locking Paper Chamber Kensington Lock Slot A4 to A6 Scalable Raster Driver External Power Supply Included Color: Gray	Auto Label Peel or Batch Print Modes Standard / 2D barcode Support Fully Adjustable Label Widths Black Mark or Transmissive Sensors Colors: Putty or Gray	Unique Stacker for Multiple Tickets High Capacity 7" Diameter Paper Roll Black Mark Sensor Easy Maintenance Colors: Putty or Gray (Red available as Special Order)	Looping Presenter Document Capture Near End Paper Sensor 250mm Diameter Paper Roll Option Open Frame or Modular Solution for 80, 82.5 or 112mm Output	Looping Presenter Document Capture Near End Paper Sensor 250mm Diameter Paper Roll Option Optional Flashing LED Bezel Open Frame or Modular Solution for 45, 80 or 82.5mm Output

Operating Systems

Industry Leading Software Applications

ALDELO
Authorized Channel Partner

SAP

D/NERWARE
Authorized Dealer

Microsoft Dynamics
Retail Management System

COMCA$H

retailpro

My Business POS

AP

Maitre'D
Software that serves you better

par
PixelPoint

Harms Software Inc.

MarketMaster

Xsilva
SYSTEMS.INC

xpient
SOLUTIONS

Communication Interfaces

PARALLEL

SERIAL

ETHERNET

CERTIFIED USB

HI-SPEED CERTIFIED USB

Wi Fi

Bluetooth

PoweredUSB
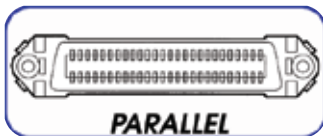
Visit www.starmicronics.com for a full listing of supported operating systems, software applications and interfaces.

Star Printers and Corresponding Drivers Table

Printer	Driver										
	Windows							Windows Linux / Mac	Linux	MacOSX 10.6	SDK
	Windows 7	POSReady 2009	2000,XP	CE	XP Embedded	VISTA	OPOS	JavaPOS	CUPS	CUPS	StarIO
FVP-10	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
SM-S400				✔							✔
SM-T300				✔							✔
SM-S300				✔							✔
SM-S200				✔							✔
HSP7000	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
TSP100U/ECO	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
TSP100LAN	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
TSP100GT	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
TSP1000	✔	✔	✔	✔	✔	✔			✔	✔	✔
TSP650	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
TSP700II	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
TSP800	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
TSP828	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
TSP800Rx	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
TUP900	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
TUP500	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
SP700	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
SP500	✔	✔	✔	✔	✔	✔	✔	✔			✔
DP8340	✔	✔	✔	✔	✔	✔	✔				✔
SP298	✔	✔	✔	✔	✔	✔	✔				✔

✔ Supported

Continuing to be an industry leader, means constantly meeting the needs of customers' individual applications. To meet this demand, Star's printers are available with a variety of interfaces. From the traditional **Serial** and **Parallel** to **USB, PoweredUSB, Ethernet and WiFi,** Star can provide the interface which best fits your particular application.

Printer	Interface							
	Serial	**Parallel**	**USB**	**Powered USB**	**Ethernet**	**Wi-Fi**	**Dual 9-Pin Serial/USB**	**Bluetooth**
FVP-10	✔ 25-Pin	✔	✔	✔	✔			
SM-S200	✔							✔
SM-S300	✔							✔
SM-T300	✔					✔		✔
SM-S400	✔							✔
TSP100U/ECO	Virtual Serial Port		✔	✔	✔			
TSP1000	✔ 25-Pin	✔	✔		✔			
TSP650	✔ 25-Pin	✔	✔		✔			
TSP700II	✔ 25-Pin	✔	✔	✔	✔	✔		
TSP800/ TSP800Rx	✔ 25-Pin	✔	✔		✔	✔		
TSP828		✔			✔		✔	
TUP900	✔ 25-Pin	✔	✔					
TUP500	✔ 25-Pin	✔	✔		✔			
SP700	✔ 25-Pin	✔	✔		✔	✔		
SP500	✔ 25-Pin	✔	✔		✔	✔		
DP8340	✔ RJ-45	✔						
SP298	✔ 25-Pin	✔						
HSP7000	✔ 25-Pin	✔	✔	✔	✔			

future*PRNT* Software

The secret of Star Micronics' success with this ground-breaking product is a result of the time, effort, and money invested into futurePRNT software.

futurePRNT software far exceeds the installation tools normally provided, enabling users to install high volume, custom set-ups without even taking the printer out of its box. Users can predetermine set-up requirements due to the operating platform selected as well as take advantage of ECO options Receipt Redesign and Coupon Marketing tools which will work without interfering with the current installed POS software. Star Micronics is constantly developing new *futurePRNT* software tools; details of which can be found on **www.futureprnt.com**.
Examples of just some of the Value-Added Software for Retailers include:

TSP100ECO Paper Management

The TSP100ECO, the world's first ECO POS printer, further extends the benefits futurePRNT brings to retailers. futurePRNT's efficient Paper Management allows retailers to reduce costs & environmental damage. Paper management features include a 3mm Top Margin Default, ON Demand Feature and Automatic 80 to 58mm Receipt Compression. Star's ECO futurePRNT™ Software provides an Operator Prompt to either Print or Cancel the Print Job depending on whether the customer wants a printed receipt or not. In the event that the user selects cancel, futurePRNT enables the cancelled receipts to be reviewed or reprinted at a later time if desired.TSP100 ECO is the only partial cut printer able to achieve a 3mm Top Margin saving 8mm of paper per receipt. futurePRNT works over and above the retailer's POS Software to vertically and / or horizontally compress output for 58mm wide paper.

The TSP100 Receipt Re-Design Tool

This revolutionary new tool has been designed to work completely independently from your current POS software and will allow users to literally redesign their receipts without changing their software. Legacy software can have embedded text and graphics which you may have always wanted to change. With the new *RECEIPT CROPPING TOOL,* you can crop unwanted sections, which creates space for new graphics and text. The unique Star Selectable *PREVIEW TOOL* will make this task even easier. Perhaps the most important element will be the *FONT REPLACEMENT TOOL* making the printer's resident fonts no longer relevant. This, along with the other tools mentioned, will be available from the printer's properties page and, when selected, will replace any non TrueType fonts featured on the receipt with a more attractive / effective font – all without affecting the speed of the printer.
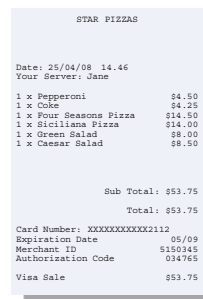
> **Literally redesign your receipt without changing your software or becoming an IT expert.**
> **Crop out embedded text and images, add new profit-making messages and graphics.**

Coupon Marketing Tool with the TSP100

Star Micronics' revolutionary new printer has taken customer motivation to new heights with this free-of-charge value-added software, which will work alongside your current system. The new Coupon Marketing Tool from Star will enable the automatic printing of coupons based on the retailer's predecided products or purchase values relevant to that transaction.

Seasonal fluctuations, overstock situations, and more can all be addressed by the retailer determining certain "trigger action" key words. The simple wizard-driven software will "word-search" all receipts to ascertain the automatic output of relevant coupons or graphics.

The new *IMAGE IMPORT TOOL* simplifies the logo store set-up by eliminating the need for the usual image preparation work. An unlimited number of mono or color jpgs, gifs and bmps can be accessed by the control panel, saved by name and even prepared for output with a choice of dither methods. There is no longer any need to pre-size or pre-save an image file as a mono bmp, as was so often required by other POS printers. The TSP100's unique *INSTALLATION SET-UP FACILITY*

will allow PCs to be preinstalled (not necessarily with the printer connected) for multiple printer use across the whole store. The new *PREVIEW TOOL* provides retailers and system builders with the ability to precheck the overall appearance of planned receipts by using the preview tool during set-up. This simple tool, again a rare facility in the POS world, will save much time.
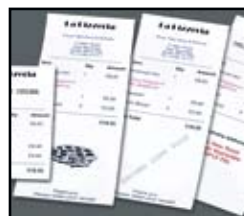
The new *JOURNAL AND MULTI-COPY TOOL* from Star truly demonstrates the versatility of the Star TSP100 *futurePRNT*. Not only can the user now determine how many copies should be printed, but they can also specify the different text and graphics required per copy – perfect for DIY retailers, pizza delivery companies to name just a few of the users that will really appreciate this tool.

The flexibility of the journal tool will allow users to create an Electronic Journal of all transactions, searchable by calendar date, which can be printed out at the end of day or week. All data is stored as a bitmap file (providing a true representation of all receipts and coupons printed).

Star TSP100 System Builder Tools

Star has produced a dedicated **SDK** (Modular Software Developers Kit) with a wide range of tools available, allowing the system designer to take advantage of all the TSP100's software and hardware features e.g auto text reversal for vertical / wall mounted use. This feature can literally be dragged and dropped into the developer's software.

PREINSTALLATION SET-UP TOOL – with easy driver installation for all major platforms with CD-ROM supplied or using the Star designed architecture for fast modifications when needed.

All settings can be stored on the PC and "mirrored" across other TSP100 printers with a simple export configuration feature for mass system installations. *No printer pre-hardware configuration is needed.* The unique Printer Serial Number Identifier will also be ideal for remote polling for hardware audits, warranty / servicing issues etc.

"DRAG & DROP" SOFTWARE FEATURE TOOL
Active X Components for Star Micronics Printer Feature Inclusion into OEM Software.

Print Speed vs Throughput

Over the last three years Star Micronics has introduced a variety of new products with such advanced processing power that the old fashioned method of measuring print speed has been made redundant. Simply measuring how fast the head will print one isolated mm of output does not take into account the total investment that has been put into the overall "build".

Star Micronics feels it is necessary to show that a new method of measuring output speed is now required. Star will therefore be using the established standard in print speed measurement called **RPM** (Receipts Per Minute). This will measure the actual time taken to produce an entire receipt from the moment it is requested by the software to when it is produced – all in a laboratory controlled environment.

Star Micronics' TSP100 *futurePRNT*, is testament to the vast difference in throughput speed when using the very latest in printer technology.
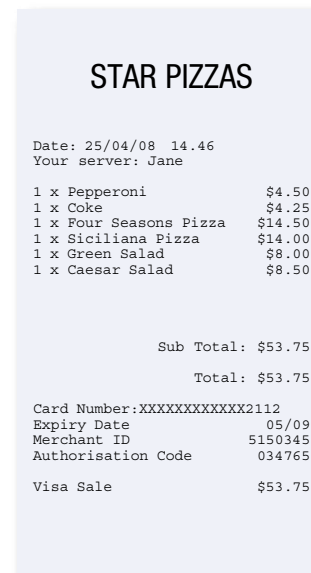
Just look at the results in the table below. Users are no longer limited to using old fashioned, unexciting resident fonts on their receipts. The TSP100 *futurePRNT* is capable of producing the same number of receipts per minute using modern TrueType fonts instead.

Above are two receipts showing the use of resident fonts and the new improved version using TrueType fonts and graphics.

Performance Results

Printer	Driver	Resolution (dpi)	Print Speed (mm/sec)	RPM (USB) with graphics
TSP100ECO	V.1.0 (USB)	203	150	Up to 28
TSP100U	V.1.0 (USB)	203	125	22
TSP100GT	V.1.0 (GT)	203	250	45
TSP650	V.1.0.0	203	150	30
TSP700II	Advanced Raster / Advance Line	203	250	48

80mm wide x 150mm long receipt (Win XP 2002 Service Pack 2 / Intel®, Core™2 CPU 6600 @ 2.4GHz / 2.4 Ghz, RAM 2.01GB)

TSP100 *futurePRNT* ECO

The World's **First** ECO POS Printer

FREE *1 Year Swap-A-Star*

Star has gone one step further with the development of the World's First dedicated ECO POS Printer designed to help Retailers around the world follow their Green Programs.

Key Features of the environmentally friendly TSP100*future*PRNT ECO:

- Paper Saving-Reduce Paper Consumption Via:
  - ★ Automatic Top Paper Margin Reduced to 3mm
  - ★ Horizontal Receipt Compression
  - ★ Vertical Receipt Compression
  - ★ Receipt on Demand
  - ★ Eco Monitor Tools

- Efficient Power Management:
  - ★ Automatic Sleep Mode uses up to 40% less power than Standard Single Station Printer
  - ★ Instant wake-up at print out time
  - ★ Satisfies low-power Consumption requirements for Energy Star

- Certifications:
  - ★ Windows 7 Certified
  - ★ Energy Star Certified

- Color Housing:
  - ★ Available in gray and putty

Environmentally Friendly

Star Micronics continues to take its environmental responsibility to the next level. Even with increases in manufacturing, Star has been able to reduce its waste volume by 19.2%. Through thorough research and development, as well as, world-wide employee awareness and contributions, Star's energy usage has been reduced by 6.9% (year on year). Our headquarters in Japan have taken "Reduce/Reuse/Recycle" to heart and has successfully achieved a recycling ratio of 99.6%. The TSP100ECO is a fast, affordable and highly flexible POS printer solution that is both Ecological and Economically friendly. The TSP100ECO has been designed to both serve tough retail environments and protect fragile ECO ones.

TSP100 GT *futurePRNT* Series

High Speed, 250 mm per second Receipt Printer with *futurePRNT* technology and **NEW** full gloss colors

FREE 1 Year Swap-A-Star

45 RPM

★ Value-Added Software for Retailers:

- Receipt Re-design Tool including font replacement, cropping and logo / picture placement tools
- Coupon Marketing Tool
- Unlimited Image Import Tool
- Electronic Journal
- Journal and Multi-Copy Tool (up to 4 copies with individual graphic capability)
- Easy Set-Up, with or without the printer
- *All designed to work in conjunction with your original POS software.*

★ Value-Added Software for OEMs, System Builders, Software Developers:

- Free Customer Software Tools
- Selectable Preview Tool
- Dedicated Software Developers Kit (SDK)

Choice of NEW full Gloss Piano Black or Ice White colors

■ New Star "Intuitive" Compatibility for Microsoft applications, including JavaPOS™ & OPOS™

■ All printer features available from the printer's properties page in Windows®

...more TSP100 printers are on pages 14 and 15, plus all the features and printer specifications.

Pre-Installation Set-Up Tool

Reduce multiple printer installation time using the .xml facility to save all printer settings on the PC!

All printer and *futurePRNT™* software settings including logos, coupons, auto-text reversal for vertical use, etc. can all be easily pre-set using the included intuitive configuration software. These settings can then be distributed as an .xml file to all relevant PCs for mass system installations, so that there is now no need to remove the printer from the box before system deployment.
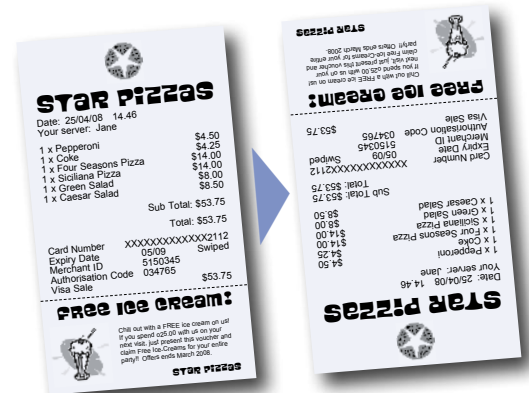
Auto-Text Reversal™

Value Driven Ethernet version of the TSP100 *futurePRNT*

Ethernet is now the connection method of choice for the new breed of IT managers in hospitality and retail environments requiring fast, long distance and reliable communication. Simple, fast, reliable network connection using standard low cost Ethernet cabling combined with futurePRNT's software and simple installation procedures enhance the advantages of today's technology. This industry standard technology brings many advantages including the flexibility of having multiple printers on a central hub with easy IP setup, in addition to allowing managers the ease of remotely managing the printers on the network.

Usually, this extremely flexible choice of connection has come with a cost. Star is determined to change this with the TSP100LAN futurePRNT. Star is famous for its revolutionary futurePRNT software, quality hardware and entry-level price and the TSP100LAN is no exception. Like its predecessor, the TSP100U, everything is included "in the box" for a quick setup at the time of installation.


⚠ HOST CONNECTION LOST
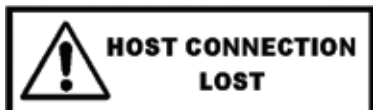
The TSP100LAN will negotiate with the networked host and automatically print an error if the connection is lost due to PC/Hub failure or cable damage, alerting the user that the printer is offline or "missing."

FREE *1 Year Swap-A-Star*

The World's 1st Dedicated Value Driven PoweredUSB Printer

PoweredUSB Terminal Use

HOSIDEN

PoweredUSB

PERIPHERAL DRIVE CIRCUIT / CASH DRAWER

USB
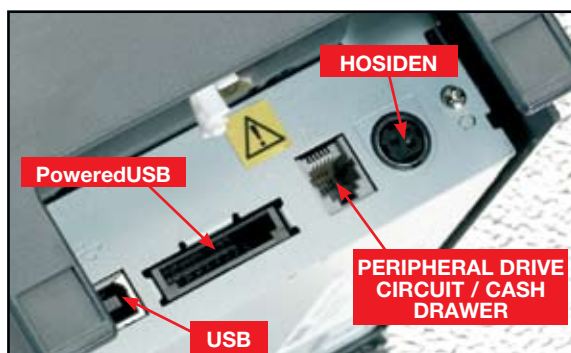
The printer is supplied with two port covers for use depending on configuration chosen.

Benefit from improved cable management and, more importantly, being able to cost-effectively use the same UPS on both your POS station and printer at the same price as a traditional printer.

USB is now the industry's preferred communication link between a PC and a printer; so what is the next logical step – to combine the power supply and interface to produce PoweredUSB. As a result, Star has developed the world's first dedicated entry-level PoweredUSB printer offering significant cost advantages over competitor products for all types of retailers.

As usual, the POS market is in IT transition with the future looking at PoweredUSB terminals and peripherals. The key advantages include being able to cost-effectively include UPS (Uninterrupted Power Supply) cover on both the PC and printer so that all transactions will be protected. The TSP100 PUSB is therefore perfect to replace any single station printer with a free-of-charge upgrade path when the retailer decides to follow the industry and use PoweredUSB POS Terminals at the same price as a traditional single station printer.

Non PoweredUSB Terminal Use

To replace a single station serial printer, set the printer up as indicated: change the interface cable to USB and create a Virtual Serial Port using the utility included in the TSP100 Printer Properties Page under "TSP config".

FREE *1 Year Swap-A-Star*

"Drop-In & Print", easy paper loading in either the standard horizontal or space saving vertical position

Full speed USB interface with serial port emulator for legacy software

Compatibility with all Major Operating Systems

Accessories included in box at purchase – power and interface cables, wall or vertical mount kit, 58mm paper guide, installation software CD with value-added software

Splash Proof Cover option adds extra protection

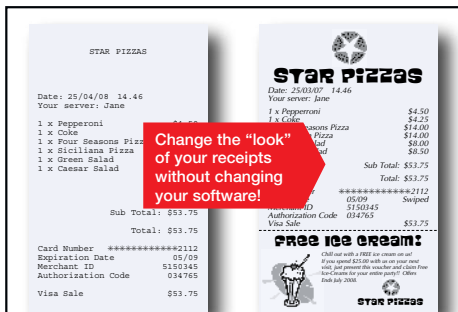**Two-color output with running costs comparable to other POS technologies**

Wall mount bracket automatically included with printer at purchase

Robust, high speed guillotine cutter for increased reliability

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

Free customer software tools for retailers and system builders including the new Star Receipt Re-design Tool and dedicated SDK with the unique content base coupon printing function.

Change the "look" of your receipts without changing your software!

TSP100 Printer Specifications

Printer Method	Direct Thermal
Receipts Per Minute throughput speed	TSP100ECO – 30 receipts per minute TSP100PUSB / TSP100LAN – 22 receipts per minute TSP100GT – 45 receipts per minute
Traditional Print Speed (not including processing)	TSP100ECO – 150 mm / second TSP100PUSB / TSP100 LAN – 125 mm / second TSP100GT – 250 mm / second
Printer Case Color	TSP100U, TSP100LAN, TSP100PUSB Putty or Gray. Other colors available for large quantity / OEM. TSP100GT full gloss Piano Black or Ice White
Print Resolution	203 dpi (8 dots per mm)
2 Color Print Capability	Red / Black, Blue / Black, Green / Black (special paper required)
No. of Columns (maximum)	Star Mode = 40, ESC/POS™ Font A 42 Font B 64
Character Set	ANK 95, 32 Int 128 Graphic plus Chinese, Japanese, Korean, Taiwanese
International Code Pages	Star Mode = 40, ESC/POS™ = 10 + 1 blank allowing an additional character page to be added
Barcodes	Extended barcode functionality – 9 versions / PDF417 & Maxicode
Line Spacing	3mm or 4mm + programmable
Paper Specifications: Width Thickness Roll Diameter Easy-Load Paper Out Sensor Maximum Print Width Top Margin	 80mm Standard, 58mm with paper guide 0.06mm ~ 0.085mm up to 83mm "Drop-In & Print" Standard 72mm paper (80mm paper), 50.8mm paper (58mm paper) 11mm (3mm default TSP100 ECO)
Autocutter	Guillotine (Partial Cut Only)
Logo Store Capacity	Unlimited
Drivers Available	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, JavaPOS™, Linux™, Mac OS X, StarIO
Interface / Port: TSP100U / TSP100GT TSP100LAN TSP100 PoweredUSB	 USB 2.0 Full Speed with cable supplied Ethernet (10/100BaseT, UTP) with cable supplied Combined Power and USB cable version with cable supplied
Emulation	Star Mode, ESC/POS™
Peripheral Drive Circuit	2 circuits (24V max.1A), 1 Compulsion input
Power Consumption	Average 1.6 Amp. Printing, 0.1 Amp. Standby.
Power Supply	Internal with power cable supplied (all models except TSP100PUSB)
Operating / Storage Conditions: Temperature Humidity	 5°C to 45°C / -20°C to 60°C 10% to 90% RH (Without Condensation)
Dimensions	142mm (W) x 204mm (D) x 132mm (H)
Weight: Auto Cutter Models Tear Bar Models	 1.7kg (TSP143PUSB = 1.5kg) 1.5kg (TSP113PUSB = 1.3kg))
Safety Standards	UL, C-UL, TÜV, FCC, VCCI, EN55022, CE
Reliability: MCBF Print head Cutter (Guillotine)	 60 Million Lines 100km 1 Million Cuts
Accessories included with the printer	Wall Mount Bracket Vertical Mount Accessory 58mm Paper Guide 6 ft. Interface Cable 6 ft. Power Cable Power Switch Cover Installation CD and futurePRNT Value-Added Software *(Power cable not included with PUSB versions)*
Options	Splash Proof Cover Vertical Display Stand Ticket Alarm (Buzzer) Swap-A-Star / Extend-A-Star

TSP650 Series

High Speed, Value Driven 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.

- Highly versatile printer with small compact footprint and choice of two paper widths 58mm or 80mm as well as the Star "Drop-In & Print", easy-load feature

- 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:
  - ★ Ticket Alarm (Buzzer)
  - ★ Power Supply PS60
  - ★ Splash Proof Cover
  - ★ Vertical Display Stand

Typical Applications

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

TSP651   Tear Bar Version
TSP654   Autocutter Version

All models are available in Putty or Gray.

High Performance at Entry-Level Pricing

Using Star's newly established method of measuring printer performance, the TSP650 Series is capable of producing high quality (203 dpi) receipts at a rapid 30 receipts / minute – with an unrivaled processing power, while still remaining at an entry-level price. Very few customers can pay faster than that!

See the Receipts Per Minute table on page 11 for comparable model print speeds.

| **30 RPM** Receipts Per Min. HIGH SPEED | EASY LOAD | TEAR BAR OR AUTOCUTTER | TTFonts HIGH SPEED SCALABLE RASTER | 60,000,000 LINES HIGH RELIABILITY | 1 2345 BARCODE COUPONS | BI-DIRECTIONAL STATUS CHECK | OR OR 2 COLOR: RED / BLACK, BLUE / BLACK, GREEN / BLACK |
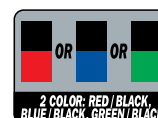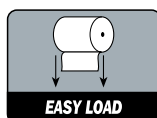
Optional Vertical Display Stand with in-store A5 graphics facility

Two color output – red & black or blue & black

Tear Bar and Autocutter versions

High quality barcodes for coupons or tickets

Easily interchangeable interfaces - USB, Ethernet, Serial and Parallel

"Drop-In & Print" Easy Load

Vertical Mount

Splash Proof Cover option adds extra protection

Power Switch Cover

Wall Mount Included

Compatibility with all Major Operating Systems

TSP650 Printer Specifications

Printer Method	Direct Thermal
Print Speed	Up to 150mm / second
Receipt per Minute throughput speed	30 receipts per minute
Print Resolution	203 dpi
Two Color 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 Thickness Roll Diameter Easy-Load Paper End Near End Sensor Maximum Print Width Top Margin	80mm standard / 58mm (with paper guide) 0.065 ~ 0.085mm / 63 ~ 85gsm 83mm "Drop-In & Print" Standard Horizontal and vertical use 80mm paper = 72mm, 58mm paper = 52mm 13mm default (3mm selectable via Memory Switch)
Autocutter (guillotine)	Partial cut (center cut)
Logo Store	2 Mbit Flash ROM with graphic management software
Flash ROM	16Mbits
Drivers Available	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, JavaPOS™, USB Vendor Class, Linux™, Mac OS X, StarIO
Interface Versions	Serial, Parallel, USB and Ethernet swappable interfaces
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 Requires PS60 External Power Supply
Operating Conditions: Temperature Humidity	5°C to 45°C 10% ~ 90% RH (without condensation)
Storage Conditions: Temperature Humidity	-20 to 60°C 10% ~ 90% RH
Dimensions	142 (w) x 202 (d) x 132 (h) mm
Weight	1.72 / 1.56 Kg (Autocutter / Tear bar version)
Safety Standards	UL, C-UL, TÜV, FCC, VCCI, EN55022, CE, Gost
Reliability: Printer Autocutter	60 Million Lines (MCBF) 1 Million Cuts
Options	Parallel (IFBD-HC03), Serial (IFBD-HD03), Ethernet (IFBD-HE05), USB (IFBD-HU05) Swappable Interfaces Vertical Display Stand Splash Proof Cover Ticket Alarm Swap-A-Star / Extend-A-Star

Star Choice to Suit Your Budget

Once again, Star has produced a high speed, entry-level receipt printer which will easily fit 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.

NEW

FVP-10 Series
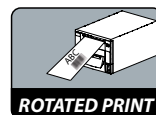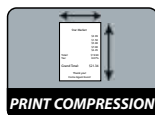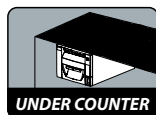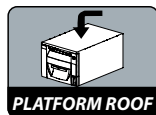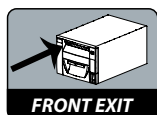## Front Loading, Voice-Enabled Printer

- Its square design & front paper loading allow for easy under-counter mount

- The flat top can accept up to 7 pounds and therefore it can be used as a platform to mount other POS devices

- Advanced futurePRNT function Communicate important information to both staff and customers
  - ★ Before and After Print Announcements
  - ★ Receipt Content Messages
  - ★ Error Messages

- "Print" any Sound, Any Language - Completely Customizable

- High print speed of 54RPM (250mm/sec)

- Front exit face up reversible print - deliver a readable receipt directly to your customer

- Drip proof (IPX1 Certified)

- Standard USB connection with the ability to add other swappable interfaces (Serial, Parallel, Ethernet, PoweredUSB)

- Lowest noise emission in its class

- Print compression functions - without modifying application software
  - ★ Vertical by 50%
  - ★ Horizontal down to 67% of original

- Start up accessories provided with printer include:
  - ★ Installation CD (Printer Driver / Configuration Utility / Manuals)
  - ★ 1.8m USB Cable
  - ★ Interface Cover
  - ★ Power Switch Cover
  - ★ Setup Sheets
  - ★ Start Up Paper Roll

- FVP-10 options include:
  - ★ Color Housing: Gray (Standard) & Putty (Optional)
  - ★ Cable Cover Unit
  - ★ Under Counter Mount Kit
  - ★ Power Supply (PS60A)

Star Micronics has developed the FVP-10 to assist users who:

- Have counter space challenges

- Require a splash and dust resistant printer

- Need to print a receipt as fast as possible to decrease customer wait time

- Want to communicate to staff and customers in a language they understand

Typical Applications

- **Point-of-Sale**
- **Retail**
- **Hospitality**

| FRONT EXIT | PLATFORM ROOF | UNDER COUNTER | PRINT COMPRESSION | HIGH SPEED | ROTATED PRINT | HIGH RELIABILITY | BARCODE COUPONS |

54 RPM Receipts Per Min.

60,000,000 LINES

Text to voice feature enables communication of important information to both staff and customers

Standard Onboard USB with Optional Serial, Parallel, PoweredUSB or Ethernet Interfaces

Front Loading Design

"Drop-In & Print"

Under-the-Counter Mounting Saves Valuable Space

Recessed Cable Connections

Drip Proof (IPX1 Certified)

Square Design and Platform Top provides Space for other Items

Compatibility with all Major Operating Systems

FVP-10 Printer Specifications

Printer Method	Direct Thermal
Print Speed	54RPM (250mm/sec)
Printer Case Color	Gray
Models Available	Guillotine Auto Cutter
Print Resolution	203 dpi (8 dots per mm) default, 406 dpi adjustable
Two Color Print Capability	Red & Black / Blue & Black / Green & Black (Two color thermal paper required)
Character Set	ANK 95, 32 Int 128 Graphic
No. of Columns	Star Mode = 40, ESC/POS™ Font A 42 Font B 64
Font Size	12 x 24
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
Bar Codes	Extended barcode functionality - 9 versions / PDF 417 / QR Code / Maxicode Option
Eco Feature	Compress receipt size both horizontally and vertically
Paper Specifications Width Thickness Roll Diameter Easy-Load Paper Out Sensor Paper Low Sensor Maximum Print Width	 58-80mm fully adjustable 0.06 ~ 0.15 mm Up to 83 mm "Drop-In & Print" Standard Standard Max 72 mm
Top Margin	13 mm default, 3 mm selectable by memory switch
Auto Cutter	Guillotine (Full or Partial)
Printer Open Sensor	Yes
Flash Memory	8MB
Label Support	Black Mark Sensor Available
Power Supply	External (PS60)
Drivers Available	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, JavaPOS™, USB Vendor Class, Linux™, Mac OS X, StarIO
Digitally Signed Driver	Yes
Swappable Interfaces	USB Standard; Serial, Parallel, PoweredUSB, Ethernet Interfaces Swappable
Emulation Modes	Star Mode, ESC/POS™
Peripheral Driver Circuit	2 circuits, (24V max. 1A), 1 Compulsion input
Power Consumption	Average 1.8 Amp. Printing, 0.15 Amp. Standby Requires PS60A External Power Supply
Operating Conditions	Temperature: 5°C to 45°C Humidity: 10% - 90% RH (without condensation)
Storage Conditions	Temperature: -20°C to 60°C Humidity: 10% - 90% RH
Dimensions	144 (W) x 227.7(D) x 114(H) mm
Safety Standards	CE, EN55022, TUV, CB report, UL, c-UL, FCC, C-tick, Gost, CCC, VCCI
Reliability MCBF Print Head Auto Cutter	60 Million Lines 150km 2 Million Cuts
Included with Printer	Installation CD with Drivers and Configuration Utility, USB Cable, Interface Cover, Power Switch Cover, Setup Sheets, Sample Paper Roll
Warranty	3 Year Limited Manufacturer Warranty (US and Canada)
Options	Cable Cover Unit, Under-Counter Mount Kit, Power Supply (PS60A), Swap-A-Star Extended Warranty Program (US), Extend-A-Star Extended Warranty Program (US and Canada)

New Star Benefits Include:

• Front Loading / Front Exit Print Facing Up / Rotated Print - deliver that receipt directly to the customer

• Receipt Compression - Vertical / Horizontal - Saves Paper

• Versatile Mounting Options - Under Counter as a Platform

• High Print Speed of 54RPM (250mm/sec)

TSP700II Series

High Speed Multi-functional Barcode, Label, Ticket and Receipt Printers

- The TSP700II, one of the World's Fastest Single Station Receipt Printers capable of producing barcodes, labels and tickets at a rapid 48RPM (250mm/sec.)

- Compatibility with the majority of operating platforms with a quality suite of drivers including Microsoft digital signature certification (WHQL) for the TSP700II using the USB interface for seamless integration

- Large paper roll diameter up to 100mm providing almost twice as much paper capacity as competitors

- "Drop-In & Print", easy paper loading. Literally drop a roll of paper into the printer, close the lid, and it's loaded!

- Full or partial cut autocutter (MCBF 2 million cuts)

- New splash resistant design with easy-clean curves for robust kitchen / bar use

- Two color output for emphasis, using special two color paper

- Available with Serial, Parallel, USB, PoweredUSB, Ethernet, or WiFi swappable interfaces

- Versatile user choice of paper widths; 80mm standard with removable paper guide fitted, 82.5mm for lottery applications and 58mm for labeling

- Available in Putty or Gray

Typical Applications

- **High Speed Receipt Printer**

- **Reliable Hospitality Printer**
  with optional "Splash Proof" cover

- **Barcode, Label & Ticket Printer**
  with External Paper Feed Path and Black Mark Sensor

- **Lottery Printer**
  82.5mm print width with 1st column printing

- **Kiosk Printer**
  versatile mounting and external paper feed path

3 Year Bumper-to-Bumper Warranty

High Speed Performance

Printer	Driver	Resolution (dpi)	Print Speed (mm/sec)	RPM (USB) with graphics
Star TSP700II	Advance Raster / Advance Line	203	250	48

48 RPM Receipts Per Min. — HIGH SPEED | EASY LOAD | 10cm PAPER ROLL | HIGH SPEED PROCESSING | UP TO 0.15mm THICK — TICKETS | UP TO 0.15mm — LABELS WITH BARCODES | DUST RESISTANT | 2 COLOR: RED / BLACK, BLUE / BLACK, GREEN / BLACK

20
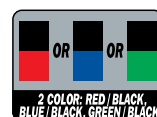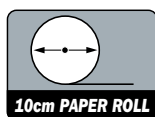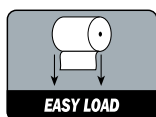
High-speed, multi-functional printer, ideal for Labels, Barcodes, Receipts, Tickets and Kiosk

Incorporates *futurePRNT*™ software with a variety of tools, including the Serial / Parallel Virtual Port Emulator, Graphics Management Tools, as well as Installation and Hex Dump Tools

Serial, Parallel, USB, PoweredUSB, Ethernet and WiFi interfaces available

Splash Proof Cover

Receipt Rotation Tool

"Drop-In & Print" Easy Load

Clamshell Design

Compatibility with all Major Operating Systems

TSP700II Printer Specifications

Printer Method	Direct Thermal
Print Speed	Up to 250mm / second
Receipt Per Minute throughput speed	Up to 48 receipts per minute (standard 20 line receipt)
Print Resolution (vertical x horizontal)	203 x 203 dpi, 406 x 203 dpi
Print Density	7 step selection by memory switch or control command
Character Matrix	12 x 24 dots, 9 x 24 dots
Two Color Print Capability	Red, Blue and Black (special paper required)
No. of Columns (maximum)	48 / 64 or 53 / 71 (depends on Paper Width) incl. 1st column print for lottery applications
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, QR (Maxicode Option)
Line Spacing	3mm or 4mm + Programmable
Paper Feed Speed	Up to 250mm / sec.
Paper Specifications: Width	80mm standard. 82.5 & 58mm also available by simply moving installed paper guide
Thickness	0.065 ~ 0.15mm
Roll Diameter	100mm
Easy-Load	"Drop-In & Print"
Paper End / Black Mark Sensor	Standard
Near End Sensor	Two sensors for horizontal and vertical use
Maximum Print Width	80mm paper = 72mm, 82.5 paper = 80mm, 58 paper = 52mm
Top Margin	13mm default (3mm selectable via Memory Switch)
External Straight Paper Feed Path	Standard
Autocutter (guillotine)	Full or Partial cut selectable (center cut)
Logo Store	2 Mbit Flash ROMs with graphic management software
Flash ROM	16Mbits
Drivers Available	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, JavaPOS™, USB Vendor Class, Linux™, Mac OS X, StarIO
Interface Versions	Serial, Parallel, USB, PoweredUSB, Ethernet and WiFi swappable interfaces
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
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 (without interface cover)	147 (w) x 213 (d) x 148 (h) mm / 1.75 Kg
Safety Standards	UL, C-UL, TÜV, FCC, VCCI, EN55022, CE, Gost
Reliability: Printer	60 Million Lines (MCBF)
Autocutter	2 Million Cuts
Options	Splash Proof Cover Serial, Parallel, USB, PoweredUSB, Ethernet, WiFi Vertical Display Stand Ticket Alarm Swap-A-Star / Extend-A-Star

Accessories included with purchase

New features included in the box at purchase: Driver CD, Wall & Vertical Mount Kits, Interface & Power Switch Covers

TSP800 Series

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

- Versatile 180mm / sec Barcode, Label, Receipt & Ticket Printer with Autocutter

- Unique 104mm / 4" print width – on paper stock up to 0.15mm thick. 82.5, 80 and 58mm paper rolls can also be accommodated using the optional paper guide

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

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

- Two color output with special thermal paper – red / black, blue / black, green / black

- Driver CD in box

- Compact Footprint (180 (w) x 213 (d) x 148 (h) mm) with Vertical Display Stand and Wall Mount options

- ESC/POS™ compatible in standard and wide width mode

- Automatic scalable raster driver for immediate A4 reduction to 4.4". Ideal for desktop replacement printer, internet café and kiosk use

Typical Applications

- **High Quality POS Receipt Printer** with shelf edge labeling feature
- **Barcode Printer**
- **Ticket / Label / Kiosk / Information Terminal Printer** with black mark sensor
- **Kiosk Information Terminal Printer** Vertical Display Stand & 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
TSP847U	USB Interface
TSP847L	Ethernet Interface

Models are available in Putty or Gray.

| 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 *0.15mm thick* | **MOBILITY** | **BI-DIRECTIONAL STATUS CHECK** | ℞ **HEALTHCARE** |
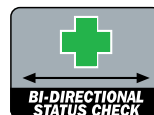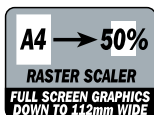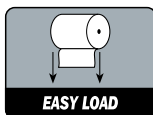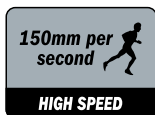
Serial, Parallel, USB, Ethernet and WiFi interfaces available
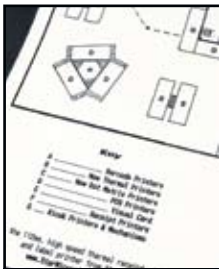
Versatile 112mm output for all retail and kiosk environments

Unique kiosk printer for automatically scaled A4 to 4.4" output.

External paper feed path for secure or high capacity applications

Wall mount and Vertical Display Stand option

82.5mm for Lottery Tickets

80mm

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

Automatic Second Copy Raster Driver

TSP800 Printer Specifications
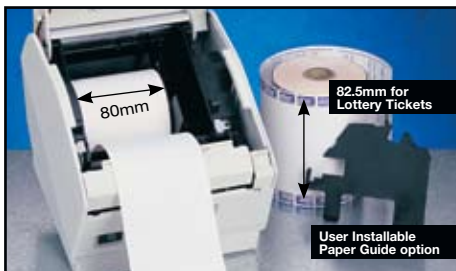
Printer Method	Direct Thermal
Print Speed	Max. 180mm/sec.
No. of Columns (maximum)	Printable Width 104mm
Resolution	203 dpi (8 dots per mm)
Character Matrix	ANK. 12 x 24. IBM Graphic 12 x 32
Character Set	ANK 95, 32 Int 128 Graphic
Print Width	Up to 104mm / 832 dots
Code Pages / Character Table	40 Code pages, Katakana, IBM
Barcodes	9 versions including 2D codes (PDF417 and QR Code)
Line Spacing	3mm or 4mm (selectable)
Paper Specifications: Width Roll Diameter Thickness Loading	 112mm 100mm 0.065 ~ 0.15mm "Drop-in & Print"
Printer Reliability: Printer Print Head Cutter (Guillotine)	 37 Million Lines 100 Km 0.065 ~ 0.075mm (Up to 2 Million Cuts)
Emulation	Star Line & Page Mode, DP8340 Mode & ESC/POS™
Interface	Serial, Parallel, USB, Ethernet, WiFi swappable interfaces
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® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, JavaPOS™, USB Vendor Class, Linux™, Mac OS X, StarIO, 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 Supply Requirements	24V + 10% External – PS60 option
Power Consumption	Average 1.8A Printing, Ave. 0.1A Standby
Overall Dimensions	180 (W) x 213 (D) x 148 (H) mm
Weight	1.7Kg (without paper)
Options	PS60 Power Supply Paper guide for 58, 80 or 82.5mm paper Power Switch Cover Serial, Parallel, USB, Ethernet, WiFi interfaces Wall and Vertical Mount Kits Swap-A-Star / Extend-A-Star
Additional Features	Full and Partial Cut, Rear Paper Path, Near End Paper Sensor, Black Mark Sensor, Putty or Gray Colors, Logo Store, Power Switch Cover

Automatic Page Scaling – A4 to virtual A6

The **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 180mm / sec, without the need for additional software!

TSP800 SCALABLE RASTER DRIVER

A4 ➤ A6

TSP800Rx Series
High Speed Secured Secured Prescription Printer

- Locking paper chamber
- Small desktop footprint
- Lock slot for locking cable harness
- Disabled paper feed button
- Jam proof patented cutter with full or partial cut & high print speed
- Easy "drop & print" paper loading
- Multiple interface versions

- Large paper roll capacity
- Logo storage utility
- Power supply included with printer
- Printer drivers on CD included with printer
- Available in Gray only

Typical Applications

- **Physician's Office**
- **Clinics**
- **Emergency Rooms**
- **Pharmacies**

TSP800Rx Printer Specifications

Printer Method	Direct Thermal
Print Speed	up to 150mm
Paper Feed Speed	150mm / second
Resolution	203 dpi (8 dots / mm)
Print Width	104mm maximum
Interface	Serial, Parallel, USB, Ethernet, WiFi Swappable Interfaces
Interface Options	USB, RS232C Serial, Parallel, Ethernet, WiFi
Emulation	Star Line Mode / Page Mode
Options	Swap-A-Star / Extend-A-Star Available Vertical/Wall Mount Brackets

Paper Specifications:	
Width	80mm or 112mm
Roll Diameter	Maximum 110mm
Thickness	Up to 190mm Maximum
Paper Loading	"Drop-In & Print", Easy Load
Reliability:	
Printer	MCBF 37 Million Lines
Print Head	100 km
Operating Conditions	Temperature 5 ~ 45ºC Humidity 10% to 90% RH (without condensation)
Storage Conditions (not including paper)	Temperature –20 ~ +60ºC Humidity 10% to 90% RH (without condensation)
Overall Dimensions	180(W) x 213(D) x 148(H) mm

TSP828 Series

Dedicated Direct Thermal Label Printer with
Automatic Label Peeler

- High speed, high resolution output
- Fully adjustable label widths
- Easy-Load
- Automatic label peeler as standard (can be easily disabled when required)
- Multiple interface versions
- Large capacity paper roll with rear feed security feature
- New, low cost Ethernet option
- Star Line & Page Mode

- Barcode support: Ladder and 2 Dimensional
- Transmissive / or Reflective sensor for top of form recognition
- Paper End and Label Peeler sensors
- Windows™ Drivers on CD included with printer

Typical Applications

- **Retail Point-of-Sale**
- **Shelf Labeling**
- **Inventory Control**

- **Product Labeling**
- **Shipping**
- **Couriers / Logistics**
- **Warehouse**
- **Mailing etc.**

FREE Labeling Software

A free OEM version of **BarTender** – the world-renowned label creation software, is available with every TSP828.

TSP828 Printer Specifications

Printer Method	Direct Line Thermal
Print Speed	up to 150mm / second / 35 lps @ 6 lpi (47 lps @ 8 lpi)
Paper Feed Speed	150mm / second
Resolution	203 dpi (8 dots / mm)
Print Width	104mm maximum
Interface	DualUSB / Serial, Parallel, Ethernet, WiFi Swappable Interfaces
Emulation	Star Line Mode / Page Mode
Printer Dimensions	180 (w) x 213 (d) x 157 (h) mm

Paper Specifications:	
Width	41 to 108mm (±0.5mm) Thermal Label Roll
	45 to 112mm (±0.5mm) Thermal Paper Roll
Roll Diameter	Maximum 110mm
Thickness	Up to 190µm maximum
Paper Loading	"Drop-In & Print", Easy Load
Reliability:	
Printer	MCBF 37 Million Lines
Print Head	100 km
Operating Conditions	Temperature 5 ~ 45ºC
	Humidity 10% to 90% RH (without condensation)
Storage Conditions (not including paper)	Temperature –20 ~ +60ºC
	Humidity 10% to 90% RH (without condensation)

TSP1000 Series

Versatile, Low Cost Thermal Printers with Receipt / Ticket Stacker

- High-speed output – up to 180mm per second

- "Drop-In & Print " paper loading

- Large paper roll capacity (up to 180mm diameter) with adjustable paper low sensor

- Ticket Stacker fitted as standard (up to 30 tickets) with fitted sensor for software driven multiple or single ticket / kitchen order print out

- Guillotine cutter

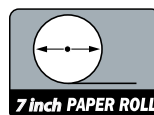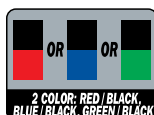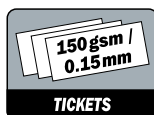- Multiple paper width (45 ~ 82.5mm adjustable)

- Two color output available – red / black or blue / black, green / black (special paper required)

- Variable position, high quality black mark sensor

- Four color versions – Putty and Gray- Standard Red and Blue- Special Order

Typical Applications

- **High Speed Ticket Printer** with high capacity paper roll and ticket stacker for group / family tickets

- **Reliable Kitchen / Warehouse Picking Ticket Printer** with stacker for multiple orders

- **Versatile Receipt Printer** for high volume receipt printing where the receipts are usually left behind

- **Lottery Printer** 82.5mm print width with 1st column printing

TSP1043D Serial Interface

TSP1043C Parallel Interface

TSP1043U USB Interface

TSP1043L Ethernet Interface

34 RPM Receipts Per Min.		150 gsm / 0.15mm	2 COLOR: RED / BLACK, BLUE / BLACK, GREEN / BLACK	BI-DIRECTIONAL STATUS CHECK	7 inch PAPER ROLL	BARCODE	60,000,000 LINES
HIGH SPEED	EASY LOAD	TICKETS					HIGH RELIABILITY
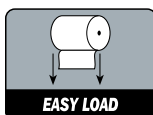
Two-color output with running costs comparable to other POS technologies

Compatible with majority of POS operating platforms with quality suite of drivers
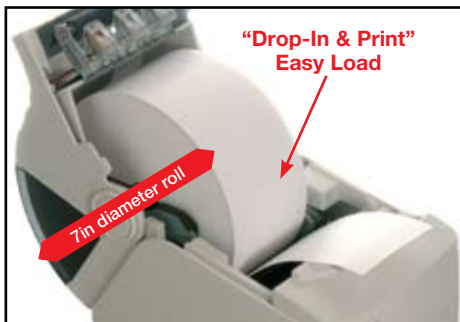
"Drop-In & Print" Easy Load

7in diameter roll

The high capacity 7in diameter paper roll can provide over 3,000 3.5in tickets / food orders

Unique stacker for up to 30 tickets / kitchen orders, with a software definable sensor for maintaining table priority etc.

Simple, but effective security feature to avoid the theft of valuable ticket stock or even the printer itself

Designed specifically for kitchen use with secure stacker for orders, buzzer alarm etc.

TSP1000 Printer Specifications

Printer Method	Direct Thermal
Print Speed	up to 180mm per second
Print Resolution	203 dpi (8 dots per mm)
2 Color Print Capability	Red / Black, Blue / Black, Green / Black (special paper required)
No. of Columns (maximum)	Star Mode = 40, ESC/POS™ Font A 42 Font B 64
Character Set	ANK 95, 32 Int 128 Graphic
International Code Pages	Star Mode = 40, ESC/POS™ = 10 + 1 blank allowing an additional character page to be added
Barcodes	9 versions / PDF417 option, Maxicode
Line Spacing	3mm or 4mm + programmable
Paper Specifications: **Width** **Thickness / Weight** **Roll Outer Diameter** **Easy-Load** **Paper Out Sensor** **Maximum Print Width** **Left / Right Margin**	 45 ~ 82.5mm (variable with 80mm default) 0.065mm ~ 0.15mm 180mm (dependant on paper weight) "Drop-In & Print" Standard Maximum 80mm 0mm (left or right), 1st column print
Ticket Stacker **Ticket Length**	30 receipts / tickets maximum with ticket sensor 50 ~ 300mm
Autocutter **Cutter position**	Guillotine (Full Cut only) Approx. 11mm distance between cutter and top of form
Logo Store Capacity	2 Mbit
Flash ROM / SRAM	2 x 8 Mbit plus 2 x 1 Mbit Static RAM
Drivers Available	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, USB Vendor Class, Linux™, Mac OS X, StarIO
Interface / Port	Serial, Parallel, USB, Ethernet swappable interfaces
Emulation	Star Line & Page Mode, ESC/POS™
Peripheral Drive Circuit	2 circuits (24V max.1A), 1 Compulsion input
Power Consumption	Average 2.0 Amp Printing, 0.1 Amp Standby
Power Supply	External option PS60
Operating Conditions: **Temperature** **Humidity**	 5°C to 45°C 10% to 90% RH (Without Condensation)
Storage Conditions: **Temperature** **Humidity**	 -20°C to 60°C 10% to 90% RH (Without Condensation)
Dimensions	161 (W) x 306.5 (D) x 249 (H) mm
Weight	3.0Kg
Safety Standards	UL, C-UL, TÜV, FCC, VCCI, EN55022, CE, CB
Reliability: **MCBF** **Print head** **Cutter (Guillotine)**	 60 Million Lines 100km 1 Million Cuts
Options	Swap-A-Star / Extend-A-Star

NEW

HSP7000 Series
The World's Fastest Thermal / Impact Slip Hybrid Combination Printer

The HSP7000 combines key features from Star Micronics celebrated range to produce the world's fastest hybrid printer. This printer incorporates the same high quality thermal print mechanism designed for the industry-leading TSP100GT with the widely renowned futurePRNT marketing software producing high quality 203 dpi receipts.The impact station incorporates components from the high speed SP700 impact printer.

- High Speed 250 mm / second thermal receipt printer (the world's fastest) combined with high speed 9-pin impact check / validation printer (up to 8.9 lps at 16 column or 4.82 lps at 40 column)

- High resolution 203 dpi output for fast, superior quality logo / barcode receipt output compared with competitor's 180 dpi print quality

- Designed specifically with the user in mind, the HSP7000 is simplicity itself with:
  - "Drop-In & Print", Easy-load for fast thermal receipt paper replacement

- Intelligent front loading with instant top of form positioning for fast accurate check printing and 1 + 3 form validation / endorsement

- Fast, easy and accessible ribbon replacement with cover sensor to minimize any possible user error

- Auto status back for paper loading, sensor reporting etc. to minimize downtime, programming time and costs

- The OEM / System builder's dream with Star Micronics' famous suite of operating platform / emulation support including Microsoft® Win2K/XP™,Vista Windows 7, WePOS™, Win XP Embedded™, OPOS™, JavaPOS™, Linux™, MAC™ with Star Mode and ESC/POS™ emulations

- Two color output for when paper costs reduce as a result of higher volume usage in the near future

- Variable paper widths to minimize costs or match existing software – 80mm default with guide provided for fast transfer to 76 or 58mm paper widths
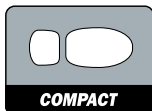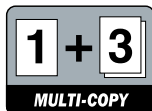
Typical Applications

- **POS Printer**
  Perfect for combined and accurate, high speed 203 dpi receipt and 9-pin check printing. The predicted withdrawal of checks has not materialized with retailers globally still seeing a significant percentage of sales transactions taking place using checks

- **Tough Record and Form Printer** Fast, accurate form completion with high speed record output for Electronic and DIY retailers (for product warranties etc.) Up to 4 copies available

HSP7543 Hybrid Combination without MICR

HSP7643 Hybrid Combination with top position MICR

HSP7743 Hybrid Combination with bottom position MICR

(MICR = Magnetic Ink Character Recognition, used in check-reading devices)

250mm per second			1+3				
HIGH SPEED	EASY LOAD	CHECK VALIDATION	MULTI-COPY	COMPACT	CASH DRAWER DRIVER	INTELLIGENT FRONT LOADING	HIGH RELIABILITY
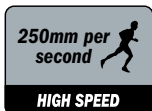
User friendly with simple ribbon replacement

Top or Bottom MICR

Top or Bottom position MICR versions

"Drop-In & Print", Easy-load

High quality 203 dpi logo and barcode printer

High quality, single pass check printer

Fast and accurate voucher endorsement

Up to 4 part slip station – perfect for warranty and DIY applications

Compatibility with all Major Operating Systems

HSP7000 Printer Specifications

|	
Print Speed:	
Thermal	Up to 250 mm / second
Matrix Slip	Up to 4.82 lps (40 columns)
	Up to 8.9 lps (16 columns)
Dimensions / Weight	186 (W) x 296 (D) x 177 (H) mm / 4.6Kg
Emulation	Star Mode / ESC/POS™
Drivers Available	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, JavaPOS™, USB Vendor Class, Linux™, Mac OS X, StarIO
Interface	USB, Ethernet, PoweredUSB, Serial and Parallel,
Safety Standards	UL, C-UL, TÜV, FCC Class A, CE, CB GOST, C-tick, AS standard, VCCI Class A, EN55022
RECEIPT STATION:	
Thermal	Direct Thermal
Resolution	203 dpi
Autocutter	Guillotine partial cut (center)
Target Life	1.5 Million Cuts
Reliability	60 Million Lines
Paper:	
Paper Loading	"Drop-In & Print"
Roll Diameter	Max. 83mm
Paper width / Print area	80 / 72mm (default)
	76 / 68mm
	58 / 51mm
Paper Thickness (Receipt)	0.06 ~ 0.08mm
Near End Sensor	Yes
Paper Sensor	Yes
Cover Open Sensor	Yes
Barcodes	Yes
Two Color Receipts	Red / Black, Blue/ Black (special paper required)
MATRIX SLIP STATION:	
Print Direction	9-pin Bi-Directional, Logic Seeking
Reliability	37 Million Lines
No. of Columns	60 / 45 cols.
Print Area	Max. 85.4mm
Paper Loading	Intelligent Front Loading
Paper Width	Up to 230mm
Length	75 ~ 297mm
Thickness 1 part:	230mm wide: 0.09 ~ 0.15mm, 105mm wide: 0.09 ~ 0.20mm
4 part:	0.09 ~ 0.31mm
Ribbon	RC 7000B
Check Printing	Yes
Validation	Yes (Max. 8 lines)
MICR Versions (Top / Bottom)	Yes (Lower cost Non MICR version also available)
Options	PS60 Power Supply
	Serial, Parallel, USB, PoweredUSB
	and Ethernet swappable interfaces
	Swap-A-Star / Extend-A-Star

Star Support

Star Micronics continues to invest money and effort towards providing support for a wide selection of platforms with a full range of sophisticated printer drivers. Star Micronics' latest products demonstrate our determination to provide the best printers on the market with new "intuitive" installation software for Microsoft® applications including JavaPOS™ and OPOS™ with Microsoft® digital signature certification (WHQL) as well as support for POS. Net, XP Embedded, CE and WePOS.

DP8340 Series

Compact, Wide Format (114mm), Receipt / Record Printers
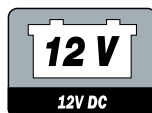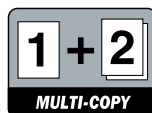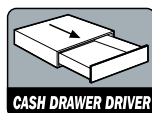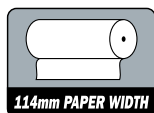
Unique 114mm wide report, receipt and data printer available for 12V usage in mobile, rugged or unattended environments.

- Reliable budget entry level printer with tear bar
- Up to 2 lines per second with a paper feed speed of 12 lps
- Black and red printing support
- Separate 230v AC power supply with 12v DC output

Typical Applications

- **Receipt Printer**
- **Record Printer**
  Data logging, Measuring equipment
- **Mobile Printing** 12 volt applications
- **Graphics Version** Details upon request

DP8340FM	RJ45 Serial Friction, Black / Red
DP8340FC	Parallel Friction, Black / Red
DP8340SM	RJ45 Serial Sprocket, Black / Red
DP8340SC	Parallel Sprocket, Black / Red
DP8340RM	3.25" wide, RJ45 Serial Friction Black / Red
DP8340RC	3.25" wide, Parallel Friction, Black / Red

114mm PAPER WIDTH — **CASH DRAWER DRIVER** — **RED & BLACK** — **1 + 2 MULTI-COPY** — **12 V DC**

DP8340 Printer Specifications

Printer Method	9-pin Dot Matrix
Print Speed	Up to 2 lines per second (bi-directional)
Number of Columns	40 (12 CPI) 48 or 60 column option
Print Area	84.3mm
Line Spacing	1/6"
Character Size	12 CPI
Character Set	ASCII 96 International and Symbol 64 Block graphics 64 IBM Special 83 & Block graphics 50 (available only on parallel interface) Download 10 (available only on parallel interface)
Character Matrix: Ordinary Characters Block Graphics IBM Block Graphic	 5 x 9 dots 6 x 6 dots 6 x 8 dots (available only on parallel interface) Graphic Mode
Ink Ribbon Option	Black / Red (SF-03BR), Life 800,000 / 400,000 characters Black (SF-03B), Life 800,000 characters
Reliability Print Head	5 Million Lines MCBF (Traditional) 70 Million Characters
Paper Feed Speed	12 Lines per Second

Paper: DP8340 DP8340R DP8340S Roll Diameter Thickness No. of Copies	 Roll Paper (Width 4.5" / 114.3mm) Roll Paper (Width 3.25" / 82.55mm) Sprocket Fanfold (Width 4.5" / 114.3mm) Max. 3.15" (80mm) Max. 0.09mm One original + 1 copy
Operating Conditions	5°C to 40°C, 10% to 80% RH (w/o condensation)
Storage Conditions	-20°C to 70°C, 5% to 95% RH (w/o condensation)
Data Buffer	Approx. 1.5 KByte
Interface	Serial (RJ45) and 20 mA current loop or Parallel
Dimensions	202 (W) x 200 (D) x 98 (H) mm (w/o paper holder)
Weight	Approx. 1.9Kg
Drivers Available	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, StarIO
Peripheral Drive	Serial – Internal output / Parallel – 1 internal & 1 external (no compulsion switch)
Options	Mobile Power Supply

PS8340 Power Supply Unit

Output	DC 12V ± 10% (Max. 2A)
Dimensions	59 (W) x 117 (D) x 36 (H) mm
Weight	2.0Kg

SP500 Series

The logic seeking SP500 Series offers an unbeatable price / performance ratio unmatched by any other manufacturer
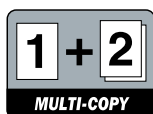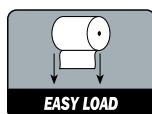
Vertical footprint:
163mm deep
by 140mm wide

- High speed, logic seeking, 9-pin quality matrix printer – up to 7.5 lps
- Serial, Parallel, USB and Ethernet swappable interfaces
- Competitively priced with unmatched feature per cost ratio
- "Drop-In & Print" paper loading facility
- Adjustable 58 or 76mm paper widths
- Quality ticket output on media up to 0.10mm with 6 position Black Mark Sensor
- Spill-proof design for bar / kitchen environments with power switch covers and recessed cable connections
- Space saving vertical or horizontal operation
- Wall mount option
- Internal universal power supply
- Journal / Rewind option
- Compact footprint with internal power supply and vertical operation

Typical Applications

- Point of Sale
- Hospitality
- Kiosk
- Ticketing
- Fiscal

SP512	Tear Bar Printer
SP512R	Tear Bar Rewinder Version
SP542	Autocutter Printer
SP542R	Autocutter Rewinder Version

12 RPM Receipts Per Min. — HIGH SPEED · EASY LOAD · **1 + 2** MULTI-COPY · TEAR BAR OR AUTOCUTTER · PAPER REWIND VERSION · INTERNAL POWER SUPPLY · **22,000,000 LINES MCBF** HIGH RELIABILITY

SP500 Printer Specifications

Printer Method	9 Pin Dot Matrix
Print Speed	Approx. 7.5 lps (@ 16 col) or 4 lps (@ 42 col, 16.9CPI)
Print Direction	Bi-directional, Logic Seeking
Paper Feed Speed	Approx. 33 lps (@ continuous feed)
Number of Columns	40 col / 42 col / 35 col (76mm paper) 30 col / 32 col / 26 col (58mm paper)
Character Matrix	7 x 9 (half dot) / 5 x 9
Character Set	95 Alphanumeric, 46 International, 128 x 40 Graphic
Code Pages	40 Code Pages
Program ROM	Flash Memory
Character per inch (CPI)	16.9 / 14.1
Character Size (mm)	1.2 (W) x 2.42 (H) / 1.5 (W) x 2.42 (H)
Paper Specifications: Width Thickness 1 ply Copy Capability 2 ply Copy Capability 3 ply	76 ± 0.5mm or 57.5 ±0.5mm (W) x 85mm (diameter) 0.07 ~ 0.10mm Original +1, 0.05 ~ 0.08mm per ply (total less than 0.14) Original +2, 0.05 ~ 0.08mm per ply (total less than 0.20)
Ribbon Life RC200B	1.2 Million Characters
Control Code	Star Mode / ESC/POS™ Emulation

Interface	Serial, Parallel, USB, Ethernet and WiFi
Data Buffer	2 KByte or 256 Byte
Reliability: Printer Autocutter	22 million lines (MCBF) 300,000 Cuts (Full or Partial Cut)
Drivers Available	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, JavaPOS™, USB Vendor Class, StarIO
Peripheral Driver	2 circuits
(D.K.D. Function)	1 compulsion input
EMI Standard	VCCI Class A, FCC Class A, CE Marking
Safety Standard	UL, C-UL, TÜV, CB
Black Mark Sensor	6 position as standard
Paper End Sensor	Standard
Additional Features	Fiscal Memory (Space Only) Power Switch Cover as standard
Overall Dimensions	140 (W) x 225 (D) x 163 (H) mm
Weight	2.0Kg (Tear Bar Model), 2.2Kg (Autocutter Model)
Options	Paper Near End Sensor, Ticket Alarm, Paper Rewind (Journal) Vertical Mount Kit VS-S500 Wall Mount Kit WB-S500 Swap-A-Star / Extend-A-Star

SP700 Series
Advanced, High Speed Clamshell Receipt Printers

- High speed, 9-pin high quality printer capable of producing 13, twenty line receipts per minute (4.7 – 8.9 lps)

- "Drop-In & Print", easy paper loading. Literally drop a roll of paper into the printer, close the lid and the paper is loaded!

- New splash resistant design with easy-clean curves for robust kitchen / bar use

- Two color output for emphasis purposes

- Internal power supply with universal cable included at purchase

- Value-Added Software for Retailers, OEMs, System Builders and Software Developers with Marketing and Graphics Tools including the new **Graphics Management Tool** with a name and list facility for easy identification and use for up to 255 images. This tool will also facilitate multiple printer configurations by enabling the PC to upload each complete graphics list quickly and simply.

The **Logo Store Driver Tool** can download multiple images (mono or color in a variety of formats) by simply printing a document containing all the images

The **Virtual Serial Port Emulator** will allow Ethernet or USB interface use while still retaining legacy software.

- New Star Micronics "Intuitive" Compatibility for Microsoft applications including JavaPOS™, OPOS™ with Microsoft® digital signature certification (WHQL)

Typical Applications

- **Receipt Printer**
  for POS systems that require an impact printer with high reliability and speed

- **Hospitality**
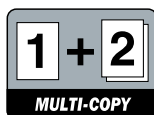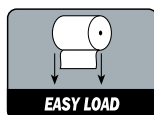 Splash resistant cover. Ticket Alarm and Wall Mount Options

SP712	Tear Bar Printer
SP712R	Tear Bar Rewinder Version
SP742	Autocutter Printer
SP742R	Autocutter Rewinder Version

High Speed Performance

Printer	Driver	Receipts Per Minute
Star SP742	SP712 / 742 V1.0	13

Results obtained printing 80mm wide x 150mm long receipt with Microsoft Windows XP™ on Pentium PC with CPU 1996MHz with 512MB RAM

All available in Putty or Gray colors with Serial, Parallel, USB, Ethernet and WiFi swappable interfaces

13 RPM Receipts Per Min. HIGH SPEED	EASY LOAD	1 + 2 MULTI-COPY	TEAR BAR OR AUTOCUTTER	PAPER REWIND VERSION	INTEGRAL POWER SUPPLY	RED & BLACK	22,000,000 LINES MORE HIGH RELIABILITY

"Drop-In & Print" paper loading with improved Splash Proof Design

Vertical position with compact footprint

Easy maintenance and use

Two Color, High Quality Graphics Print

Star SP700 Rewinder Version

Internal Power Supply & "Swappable" interfaces

See-through window for easy paper management

Easy-to-fit buzzer option

Compatibility with all Major Operating Systems

SP700 Printer Specifications

Print Method	9 Pin Serial Impact Dot Matrix
Printer Versions: SP712 SP742 SP712 / 742 with rewind Interface Versions	 Tear Bar Mono and Red / Black Model Autocutter Mono and Red / Black Model (full or partial cut) Tear Bar and Autocutter Rewind Models RS232 / Parallel / USB 2.0 /Ethernet/WiFi swappable interfaces
Print Speed	Capable of printing 13 20-line receipts per minute from 4.7 to 8.9 lps depending on number of columns
Paper Feed Speed	Approx. 5.6 inches per second (continuous feed)
Print Direction	Bi-directional, Logic Seeking
Print font: Character Matrix Column capacity Character Size (mm) Character Set Code Pages Character Per Inch (CPI)	 7 x 9 (Half dot) / 5 x 9 42 / 35 1.2 (W) x 2.42 (H) / 1.5 (W) x 2.42 (H) 95 Alphanumeric, 32 International 40 16.9 / 14.1
Paper Loading	Drop-In and Print, Easy Load with See-Through Cover
Paper Handling: Width with guide included Thickness 1 ply Copy Capability 2 ply Copy Capability 3 ply	 76mm (default), 69.5mm, 58mm (± 0.5) x 85mm roll diameter 0.06 ~ 0.085mm Original + 1, 0.05 ~ 0.08 / piece, total less 0.14 Original + 2, 0.05 ~ 0.08 / piece, total less 0.20
Wall Mount Facility	Optional Wall Mount Kit
Paper Sensors	Paper End (Near End Sensor option)
Ribbon Life: RC700B RC700BR RC700D	 3 Million Characters Black 1.5 Million Characters / Red 0.75 million characters Indelible Ink Ribbon (Laundry Applications)
Data Buffer	8 Kbyte
Program ROM	Flash Memory (16Mbit), NV bit image 256 Kbyte
Emulation	Star Mode and ESC/POS™
Power Supply	Internal Power Supply with Power Cable Included
D.K.D. Function	2 Drivers
Drivers Available	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, JavaPOS™, USB Vendor Class, Linux™, Mac OS X, StarIO
Reliability	MCBF 22 Million Lines
Overall Dimensions	160 (W) x 245 (D) x 152 (H) mm 164 (W) x 245 (D) x 152 (H) mm (rewinder versions)
Weight	SP712: 2.96Kg, SP742: 3.18Kg, SP712R: 3.43Kg, SP742R: 3.65Kg
EMI Standard	VCCI Class A, FCC Class A, CE
Safety Standard	UL, C-UL, TÜV, CB, EN60950
Options	Ticket Alarm, Wall Mount / Vertical Kit Swap-A-Star / Extend-A-Star

SP298 Series
Fast, Reliable, Cost Effective Impact Slip Printers

- Rugged bi-directional printer capable of graphics using a highly reliable 9-pin print head

- Up to 3.1 lines per second with bi-directional check mode

- 9 Million Lines MCBF

Typical Applications

Ideal for printing 'company branded' pre-printed multi-part slips / forms

- **Hotels**
- **Restaurants**
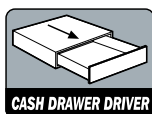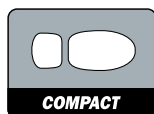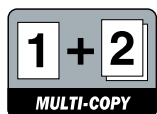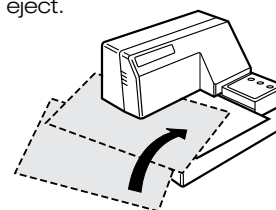- **POS**
- **Pharmacy Printer**

SP298 MD Serial Version
SP298 MC Parallel Version

Unique AutoSide Loading™

The SP298 features unique paper AutoSide Loading™ making document loading quick, easy and reliable.
The user can simply introduce a form into the side of the station and the printer performs automatic document clamping, instant top of form alignment, fast printing and selectable forward or reverse document eject.

1 + 2 MULTI-COPY   **COMPACT**   **CASH DRAWER DRIVER**   **9,000,000 LINES** MCBF HIGH RELIABILITY   **BI-DIRECTIONAL STATUS CHECK**

SP298 Printer Specifications

Print Method	9-Pin Serial Impact Dot Matrix
Print Speed	3.1 lines per second
Emulation	Star Mode & ESC/POS™ (Epson TM-U295)
Interface	Serial or Parallel
Paper:	
Copy Capability	Original + Two Copies
Paper Width / Length	69 / 80mm (minimum)
Paper Thickness	0.09 ~ 0.20mm
Margin Top / Bottom	5 / 14mm
Paper Feed Speed	
Forward / Reverse	3.5 / 4.5 inches per second or 21 / 27 lines per second
Number of Columns	42 (7 x 9 font)
Print Width	63mm
Peripheral Driver	Two drivers with compulsion switch input

Buffer:	
Star Mode	2048 Bytes
ESC/POS™ Mode	512 Bytes or 35 Bytes
Reliability	9 Million Lines MCBF
Head Life	70 Million Characters
Power Supply	Option 100 ~ 240 V AC / 24V DC
Dimensions	180 (W) x 190 (D) x 138.5 (H) mm
Weight	2.1Kg (approx.)
Agency Approvals	UL, C-UL, FCC, TÜV, CE, CB
Ribbons	Black RC200B, 1.2 million characters RC2000D Laundry Ribbon
Drivers Available	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, StarIO

Kiosk & Portable Printers

KIOSK / TERMINAL / EMBEDDED PRINTERS

TUP900 Series (TUP942 / TUP992)	High Speed Modular Kiosk Component Printing Solutions (High Speed Open Frame 150mm/sec Thermal Solution with Presenter)		page 36-37
TUP500 Series (TUP542 / TUP592)	High Speed Modular Kiosk Component Printing Solutions (The Ultimate Modular Kiosk Printer Solution)		page 36-37

PORTABLE PRINTERS

SM-S200 Series	2 Inch Portable Printer with Blue Light LCD Display		page 38-39
SM-S300 Series	3 Inch Portable Printer		page 38-39
SM-T300 Series	3 Inch Ultra Durable Portable Printer with LCD Display		page 38-39
SM-S400 Series	4 Inch Portable Printer		page 38-39

TUP500 & TUP900 Series

Complete Kiosk Printing Solutions available in Modular or Open Frame formats

TUP992

TUP592

TUP500: The High Speed 220mm per second Kiosk Printing Solution

- Introducing the superfast, versatile open frame / modular kiosk printing solution from Star Micronics. Featuring speeds up to 220mm per second (with standard 150mm paper roll) and a default speed of 180 mm per second using the optional 250mm paper roll holder

- Adjustable 45 to 82.5mm paper width functionality with self centering width adjuster

- Barcodes receipts, tickets, labels (TUP542) etc. are all printed on media from 0.065mm to 0.15mm thick allowing for complete application functionality

- Options include:
  - 250mm paper roll holder for horizontal or vertical use (max. capacity 180mm in vertical mode)
  - Paper exit guide / bezel with flashing LED attraction mode
  - All models supplied without interface with low cost USB, Ethernet & traditional interface options
  - PS60 Power Supply

- Compatible with majority of operating platforms including OPOS™, JavaPOS™, Linux™, ESC/POS™ and Microsoft™ Windows with digital signature certification (WHQL)

TUP500 LED Flashing Paper Exit Guide

TUP500 Easy Paper Loading

TUP900: The 80 – 112mm wide Kiosk Printing Solution

- High speed, cost efficient 150mm per second quality thermal barcode, receipt, ticket and A4 kiosk printing solution for 80 to 112mm formats up to 0.15mm thick

- Multi-position adjustable near end paper sensor with 80cm of cable for use with the high capacity paper roll supply option

- A4 to A6 automatic scalable raster driver for reduced, legible A4 or internet output on 112mm wide paper

- Adjustable horizontal or vertical mounted control panel with extended cable lengths

- Easy-load – simply lift and tilt the mechanism forward and insert the paper for automatic paper loading

- TUP992 options include:
  - 250mm paper roll holder (150mm standard). Max. capacity 180mm when mounted below printer
  - Choice of interfaces
  - PS60 power supply

TUP592 & TUP992
Open frame printer solution with moveable control panel and paper near end sensors via extended cables

TUP542 & TUP942
Non presenter version

TUP500 & TUP900
Modular components available (see table)

TUP500 Printer Specifications

Mechanism – TMP542 & Cutter

Print Method	Direct Line Thermal Printing
Print Speed	Up to 220mm per second (for use with suitable 80 / 82.5mm high sensitivity paper with standard 150mm roll diameter) Default speed 180mm per second
Printable Width	Max. 80mm with 1st column print
Top Margin	11mm (3mm selectable with reverse feed)
Print Resolution	8 or 16 x 8 dots / mm (203 or 406 x 203 dpi)
Paper Feed Speed	up to 220mm per second
Paper Loading	Semi Automatic with easy "Lift & Tilt" Functionality
Paper Sensors	Black Mark / Paper End / Paper Low Sensors
Paper Specifications: Width Media Two Colour Printing Thickness Roll Diameter	Min. 45mm to Max 82.5mm Thermal Paper Rolls Special Thermal Paper required 0.065 ~ 0.15mm 15cm / 6" with 25.4cm / 10" option (RHU-T500)
Autocutter	Full Cut (Guillotine)
Autocutter Life	Up to 1 Million Cuts
Min. / max. Cut Length	TUP542: 25mm, TUP592: 75 ~ 300mm
Print Head Life	Max. 100 Million Pulses / 100 Km (using recommended paper)
Reliability	60 Million Lines MCBF
Mechanism Dimensions	TMP542: 135 (W) x 101 (D) x 103 (H) mm
Open Frame Dimensions	TUP592: 160 (W) x 234.1 (D) x 179 (H) mm
Without Presenter	TUP542: 160 (W) x 185 (D) x 179 (H) mm
Drivers	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, JavaPOS™, USB Vendor Class, Linux™, Mac OS X, StarIO

Interface	TUP500 Series supplied without interface
Interface Options	USB (IFBD-HU05), Ethernet (IFBD-HE05), Parallel (IFBD-HC03), Serial RS232C (IFBD-HD03), 9-pin Serial (IFBD-HN03)

Presenter Unit – PR500

Driving Motor	One DC Motor
Paper Loop	Upper Side Loop
Presenter Function	Document Eject Document Capture (Timed or Software Controllable)
Ejecting Speed	300mm/s
Paper Thickness	0.065 ~ 0.15mm
Paper Length	75 to 300mm with Journal Mode for End-of-Day Reporting
Paper Width	Min. 45mm to Max 82.5mm
Dimensions	135.1 (W) x 57 (D) x 76.3 (H) mm
Life	1 Million Receipts

Control Board – TBD500

Flash ROM / SRAM	16 Mbit / 4 Mbit (2M x 2)
Logo Store	Enabled
Emulations	Star Line & Page Mode, ESC/POS™
Code Pages	Star Mode = 40 + 1 blank ESC/POS™ Mode = 10 + 1 blank

TUP500 Open Frame and Mechanism Options

- USB, Ethernet, Parallel, Serial RS232C, 9-pin Serial interface
- PS60 Power Supply
- 25cm / 10" Paper Roll Holder (RHU-T500)
- Large Roll Damper Roller Unit (DRU-T500B)
- Paper Exit Guide (SNOUT-T500) – LED lit with Flashing Attraction Mode
- Weight Bar (heavy weight paper use) – PR5 (included at purchase)

Please contact Star for other options when installing the TMP500 Mechanism
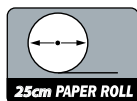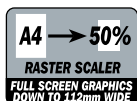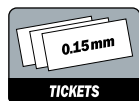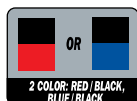

TUP900 Printer Specifications

Mechanism – TMP942 & Cutter

Print Method	Direct Thermal Line Printing
Print Speed	up to 150mm per second
Top Margin	15mm (3mm selectable)
Print Resolution	8 x 8 dots / mm (203 x 203 dpi)
Paper Feed Speed	150mm / second
Paper Loading	Semi Automatic with easy "Lift & Tilt" Functionality
Paper Sensors	Black Mark / Paper End / Paper Low Sensors
Paper Specifications: Width Media Two Colour Printing Thickness Roll Diameter	80 to 112mm Thermal Paper Rolls Special thermal paper required 0.065 ~ 0.15mm 15cm / 6" with 25cm / 10" option (RHU-T900)
Autocutter	Full or Partial Cut (Guillotine) Full Cut only with Presenter PR900 and TUP992
Autocutter Life	Up to 1 Million Cuts
Reliability	37 Million Lines MCBF
Mechanism Dimensions	TMP942: 176.2 (W) x 101 (D) x 121 (H) mm
Bar Code	UPC-A, UPC-E, JAN/EAN-8 JAN/EAN-13, ITF, CODE39, CODE93, CODE128, CODABAR (NW-7), (PDF417 & Maxicode to follow)
Drivers	Windows® XP 32 Bit, Vista 32/64 Bit, Windows 7 32/64 Bit, Server 2008 32/64 Bit, XP Embedded, CE, POSReady 2009, OPOS™, JavaPOS™, USB Vendor Class, Linux™, Mac OS X, StarIO, Scalable Raster Driver

Interface	TUP900 Series supplied without interface
Interface Options	USB (IFBD-HU06), Parallel (IFBD-HC04), Serial (IFBD-HD04), Serial 9-pin (IFBD-HN04)

Presenter Unit – PR900

Driving Motor	One DC Motor
Paper Loop	Upper Side Loop
Presenter Function	Document Eject Document Capture (Timed or Software Controllable)
Ejecting Speed	300mm/s
Paper Thickness	0.065 ~ 0.15mm
Paper Length	75 to 300mm
Paper Width	80 to 112mm
Life	1 Million Receipts

Control Board – TBD900

Flash ROM / SRAM	2 x 8 Mbit plus 2 x 1 Mbit Static RAM
Logo Store	2 Mbit
Emulations	Star Line & Page Mode, ESC/POS™
Code Pages	Star Mode = 40 + 1 blank ESC/POS™ Mode = 10 + 1 blank

TUP992 Open Frame System

Overall Dimensions	192 (W) x 249.3 (D) x 179 (H) mm / 2.84Kg
Printing Solution	All specifications for each module apply

TUP500 & TUP900 Power Supply – PS60

Supply Voltage	24V DC, (59 (W) x 146 (D) x 32 (H) mm)
Input Voltage	100V (-10%) to 240V (+10%)

KIOSK PRINTER | HIGH SPEED 220mm per second | 2 COLOR: RED / BLACK, BLUE / BLACK | TICKETS 0.15mm | RASTER SCALER A4 → 50% FULL SCREEN GRAPHICS DOWN TO 112mm WIDE | 25cm PAPER ROLL | PRESENTER | BI-DIRECTIONAL STATUS CHECK | HIGH RELIABILITY 60,000,000 LINES MCBF
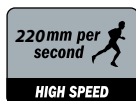
NEW

Portable Printers

Compact, Light Weight Portable Printing Solutions
Available in Different Print Widths

SM-S400

SM-T300

SM-S200

SM-S300

RECYCLE
RBRC
Li-ion
1.800.822.8837

SM-S200: 2 Inch Portable Printer with Blue Light LCD Display

- 2 Inch Portable Printer
- 80 mm/sec
- Pocket Size - 80.5(W) x 113.5(D) x 46(H) mm
- Long Battery Life (6 Hours at 5 Minute Printing Intervals)
- Bluetooth 2.1 / Serial Connections
- Magnetic Stripe Reader
- Blue Light LCD Display
- Cover Open Sensor

SM-S300: 3 Inch Portable Printer

- 3 Inch Portable Printer
- 65 mm/sec
- Pocket Size - 107.4(W) x 88.5(D) x 45(H) mm
- Long Battery Life (10 Hours at 5 Minute Printing Intervals)
- Bluetooth 2.1 / Serial Connections
- Magnetic Stripe Reader
- Supports Multiple Language Printing

Carrying Case for SM-S200

Car Charger

Shoulder Strap for SM-T300

SM-T300: 3 Inch Ultra Durable Portable Printer with LCD Display

- 3 Inch Ultra Durable Portable Printer
- 75 mm/sec
- Pocket Size - 107.4(W) x 88.5(D) x 45(H) mm
- Long Battery Life (8 Hours at 5 Minute Printing Intervals)
- Bluetooth 2.1 / Serial Connections
- Magnetic Stripe Reader
- LCD Display
- Dust Protected, Splash Proof (IP54 Certified)

COMPLIANT IP54

SM-S400: 4 Inch Portable Printer

- 4 Inch Portable Printer
- 50 mm/sec
- Pocket Size - 138.4(W) x 88.5(D) x 45.7(H) mm
- Long Battery Life (11 Hours at 5 Minute Printing Intervals)
- Bluetooth 2.1 / Serial Connections
- Magnetic Stripe Reader
- Supports Multiple Language Printing

4-Bay Battery Charger

1-Bay Charger

SM-S200 Printer Specifications

Print Method	Direct Line Thermal Printing
Print Speed	80mm/sec
Print Width	48mm
Print Resolution	203 dpi
Dimensions	80.5(W) x 113.5(D) x 46(H) mm
Weight	300g / 0.66lbs
Battery Duration	6 Hour Printing (5 Minute Intervals)
AC Adaptor	4 Hours Full Charge Time
Power Voltage	7.4 V
Paper:	
Media	Thermal Paper
Loading Method	"Drop-In & Print"
Width	58mm
Thickness	0.06 - 0.07mm
Roll Diameter	38mm
Interface	Bluetooth (2.1), Serial
Reliability:	
MCBF	37M Lines
Print Head	50km
Barcode	Code39/93/128, JAN/EAN8, JAN/EAN13, EAN128, I2/5, KAN, UPC, CODABAR, PDF417, QR Code, DATA Matrix
Drop Test	3.28ft. Drop
Operating System Support	Windows Mobile, CE, SDK (StarIO)
Magnetic Stripe Reader	Standard 1&2 Track (2&3 Optional)
Auto Power Down Mode	1-5 Minutes Configurable
Characters per line	42cpl
Character Support	ANK, Simplified/Traditional Chinese, Arabic, Cyrillic, Russian, Turkish, Greek, Japanese, Persian, Latin 9 and Others (Upon Request)
Included	AC Charger, Battery Pack, Sample Roll, Setup Sheet
Options	4 Unit Battery Charger, Serial Cable, Car Charger, Leather Case, Extra Battery Charger, Extra Battery Pack

SM-S300 Printer Specifications

Print Method	Direct Line Thermal Printing
Print Speed	65mm/sec
Print Width	72mm
Print Resolution	203 dpi
Dimensions	107.4(W) x 88.5(D) x 45(H) mm
Weight	335g / 0.73lbs
Battery Duration	10 Hour Printing (5 Minute Intervals)
AC Adaptor	4 Hours Full Charge Time
Power Voltage	7.4 V
Paper:	
Media	Thermal Paper
Loading Method	"Drop-In & Print"
Width	80mm
Thickness	0.06 - 0.07mm
Roll Diameter	38mm
Interface	Bluetooth (2.1), Serial
Reliability:	
MCBF	37M Lines
Print Head	50km
Barcode	Code39/93/128, JAN/EAN8, JAN/EAN13, EAN128, I2/5, KAN, UPC, CODABAR, PDF417, QR Code, DATA Matrix
Drop Test	3ft. Drop
Operating System Support	Windows Mobile, CE, SDK (StarIO)
Magnetic Stripe Reader	Standard 1&2 Track (2&3 Optional)
Auto Power Down Mode	1-5 Minutes Configurable
Characters per line	64cpl
Character Support	ANK, Simplified/Traditional Chinese, Arabic, Cyrillic, Russian, Turkish, Greek, Japanese, Persian, Latin 9 and Others (Upon Request)
Included	AC Charger, Battery Pack, Sample Roll, Setup Sheet
Options	4 Unit Battery Charger, Serial Cable, Car Charger, Extra Battery Charger, Extra Battery Pack

SM-T300 Printer Specifications

Print Method	Direct Line Thermal Printing
Print Speed	75mm/sec
Print Width	72mm
Print Resolution	203 dpi
Dimensions	120(W) x 130.5(D) x 58.4(H) mm
Weight	566g / 1.25lbs
Battery Duration	8 Hour Printing (5 Minute Intervals)
AC Adaptor	4 Hours Full Charge Time
Power Voltage	7.4 V
Paper:	
Media	Thermal Paper
Loading Method	"Drop-In & Print"
Width	80mm
Thickness	0.06 - 0.07mm
Roll Diameter	50mm
Interface	Bluetooth (2.1), Serial, Optional WiFi
Reliability:	
MCBF	37M Lines
Print Head	50km
Barcode	Code39/93/128, JAN/EAN8, JAN/EAN13, EAN128, I2/5, KAN, UPC, CODABAR, PDF417, QR Code, DATA Matrix
Drop Test	5ft. Drop
Operating System Support	Windows Mobile, CE, SDK (StarIO)
Magnetic Stripe Reader	Standard 1&2 Track (2&3 Optional)
Auto Power Down Mode	1-5 Minutes Configurable
Characters per line	64cpl
Character Support	ANK, Simplified/Traditional Chinese, Arabic, Cyrillic, Russian, Turkish, Greek, Japanese, Persian, Latin 9 and Others (Upon Request)
Included	AC Charger, Belt Clip, Battery Pack, Sample Roll, Setup Sheet, IP54 Certified
Options	4 Unit Battery Charger, Serial Cable, Car Charger, Shoulder Strap, Extra Battery Charger, Extra Battery Pack

SM-S400 Printer Specifications

Print Method	Direct Line Thermal Printing
Print Speed	50mm/sec
Print Width	104mm
Print Resolution	203 dpi
Dimensions	138.4(W) x 88.5(D) x 45.7(H) mm
Weight	425g / 0.94lbs
Battery Duration	11 Hour Printing (5 Minute Intervals)
AC Adaptor	4 Hours Full Charge Time
Power Voltage	7.4 V
Paper:	
Media	Thermal Paper
Loading Method	"Drop-In & Print"
Width	112mm
Thickness	0.06 - 0.07mm
Roll Diameter	38mm
Interface	Bluetooth (2.1), Serial
Reliability:	
MCBF	37M Lines
Print Head	50km
Barcode	Code39/93/128, JAN/EAN8, JAN/EAN13, EAN128, I2/5, KAN, UPC CODABAR, PDF417, QR Code, DATA Matrix
Drop Test	3ft. Drop
Operating System Support	Windows Mobile, CE, SDK (StarIO)
Magnetic Stripe Reader	Standard 1&2 Track (2&3 Optional)
Auto Power Down Mode	1-5 Minutes Configurable
Characters per line	92cpl
Character Support	ANK, Simplified/Traditional Chinese, Arabic, Cyrillic, Russian, Turkish, Greek, Japanese, Persian, Latin 9 and Others (Upon Request)
Included	AC Charger, Battery Pack, Sample Roll, Setup Sheet
Options	4 Unit Battery Charger, Serial Cable, Car Charger, Extra Battery Charger, Extra Battery Pack

Paper Specifications

Printer	Part Number	Model Number	Description	Labels/Roll (estimated)	Thickness (in.)	Roll Length (ft.) (estimated)
SM-S200	37962150	TRF-58 S2 HG	Roll: 2" Paper Roll for SM-S200 High Grade			50
SM-T300	37962190	TRF-80 T3 HG	Roll: 3" Paper Roll for SM-T300 High Grade			90
DP8340	87993800	RF3.25-1P	Roll: 3.25" wide x 3" dia (max), 1 ply, plain paper			
	87999850	RF4.5-1P	Roll: 4.5" wide x 3" dia (max), 1 ply, plain paper		0.0035	147
	87999840	RF4.5-2P	Roll: 4.5" wide x 3" dia (max), 2 ply, plain paper		0.006	98
	87999830	RS4.5	Roll: 4.5" wide x 3" dia (max), 1 ply, plain paper, sprocket		0.0035	140
SP200, SP700, SP500, DP8340R	87993850	RF3.0	Roll: 3" wide x 3" dia (max), 1 ply, plain paper		0.0035	154
	87992590	RF3.0-2P	Roll: 3" wide x 3" dia (max), 2 ply, plain paper		0.0055	98
	87993940	RF3.0-3P	Roll: 3" wide x 3" dia (max), 3 ply, plain paper, white/canary/pink, plain paper		0.0095	57
TSP100, TSP600, TSP700II, TSP800, HSP7000, FVP-10	87993460	TRF-80	Roll: 80mm wide x 82.5mm dia (max), thermal paper, 260 feet, 7/16 core		0.002	294
TSP700II, TSP800	87993470	TRF-80-3.6	Roll: 80mm wide x 82.5mm dia (max), 20lb, Special Duty, thermal paper			
	87993920	TRF-80-TC	Roll: 80mm wide x 82.5mm dia (max), Top Coat, Special Duty			
	87993950	TRF-80-BR	Roll: 80mm wide x 76mm 2-color (Black/Red) thermal paper		0.002	108
	87993450	TRF-3	Roll: 82.5mm (3") Thermal Roll Paper			
TSP800II only	87993930	TRF-110	Roll: 110mm wide x 101.6mm dia (max), thermal paper, 4.4 wide x 4 OD		0.002	508
	87993960	TRF-110-BR	Roll: 110mm wide x 100mm dia (max) 2-color (Black/Red) thermal paper		0.002	482
TSP1000, TUP900, TUP500	37996700	TRF80-6	Roll: 80mm wide x 6" diameter, 1 core		0.0025	930
	37996690	TRF80-6MG	Roll: 80mm wide x 6" diameter, 1 core Mid-grade (thicker paper)			590
	87993440	TRF-82-8	Roll: 82.5mm (3.5") x 8" (dia) Thermal Roll Paper (Wound In)			
TUP900 only	37995640	TRF110-6	Roll: 112mm wide x 6" diameter, 1 core		0.0025	930
	37995650	TRF110-6MG	Roll: 112mm wide x 6" diameter, 1 core Mid-grade (thicker paper)			590

Label Specifications

Printer	Part Number	Model Number	Description	Labels/Roll		
TSP700II, FVP-10	37995100	TRL-80-1	Roll: Thermal Labels, 80mm wide x 1" high	1600		
	37995110	TRL-80-2	Roll: Thermal Labels, 80mm wide x 2" high	900		
TSP800, TSP828L	37995120	TRL-110-1	Roll: Thermal Labels, 110mm wide x 1" high	1600		
	37995130	TRL-110-3	Roll: Thermal Labels, 110mm wide x 3" high	600		
	37995130	TRL-110-6	Roll: Thermal Labels, 110mm wide x 6" high	300		

Ribbon Specifications

Printer	Part Number	Model Number	Description
SP500	RC200B	30980112	Ribbon cartridge, Black, 1.2M character life
	RC200P	30980012	Ribbon cartridge, Purple, 3M character life
SP200	RC200BR	30980211	Ribbon cartridge, Black 600k / Red 300k character life
DP8340	SF-01B	87999820	Ribbon spool, Black, 800k character life
	SF-01P	87999810	Ribbon spool, Purple, 1m character life
	SF-03BR	80900300	Ribbon spool, Black 400k/ Red 800k character life
SP700	RC700BR	30980720	Ribbon cartridge, Black, Red
	RC700B	30980730	Ribbon cartridge, Black
	RC700D	30980740	Ribbon cartridge, Indelible Black
HSP7000	RC7KB	30981300	Ribbon cartridge, Black

POWER SUPPLY

Automotive 12V Power Adapter	**12VDC to 12 VDC cigarette lighter (DP8340 only)**
Automotive 24V Power Adapter	**24VDC to 12 VDC cigarette lighter (TSP600,TSP700II, TSP800, SP200)**
PS8340 ADAPTER SET EC	**220VAC Power Supply Set (DP8340)**
PS8340 ADAPTER SET US	**110VAC Power Supply Set (DP8340)**
PS-60 POWER SUPPLY	**Universal 24VDC Output Power Supply for all other printers**

CABLES

USB Cable	**PoweredUSB Cable**
PoweredUSB Cable	**TSP700II**

BUZZER

Buzzer Alarm
The Buzzer is designed to connect directly to the RJ11 port on the back of the printer. When a print job is sent to the printers, the buzzer will sound off. This is beneficial for high noise environments like kitchens to alert cooks that orders have been sent to them.

SPLASH PROOF COVER

Splash Proof Cover for TSP700II
Increase splash resistance with this easy-to-install splash proof cover! The cover easily fits over the top of the printer securely, ensuring hours of operation in the most harsh restaurant environments.

WALL MOUNT / VERTICAL MOUNT BRACKETS

Wall Mount Bracket (TSP800)
Wall Mount Bracket (TSP700II)
Wall Mount Bracket (TSP600)
Wall Mount Bracket (SP700)
Wall Mount Bracket (SP500)
Vertical Stand Kit (TSP800)
Vertical Stand Kit (TSP700II)
Vertical Stand Kit (TSP600)
Vertical Stand Kit (SP700)
Vertical Stand Kit (SP500)
Vertical Display Mount (TSP650)
Vertical Display Mount (TSP100)

INTERFACES

Star offers a wide range of interfaces for its printers to meet customers' requests and system upgrades - including USB, Wi-Fi and Ethernet.

Serial	Parallel	Ethernet	USB	Wi-Fi

● ● ● **OEM Items**

AUTOCUTTER

Star offers a range of auto cutters including full or "partial" cutter versions, as well as more "sophisticated" models which are capable of both.

PAPER RE-WINDERS

The paper re-winders from the SP300 series are also available for OEM use with Star mechanisms.

PRINT HEADS

Star's range of highly successful print heads have been used in a wide variety of applications from bus ticketing to check printing and other POS uses. Their success is the logical result of a consistently high reliability record, value for money and compact versatile design.

NOTES

Star Micronics Introduces New Service Agreement Policies

For years, Star Micronics has been producing elite printers, rich in reliability and strength, that have left our competitors in awe… but this time, we've really done it! After all, what could be more reliable than using a Star Micronics printer? *Using an insured Star Micronics printer!*

Star Micronics is proud to offer, for purchase, two extended service agreements to make customers feel even more confident when using Star printers. Star has taken the pain out of the warranty process and simplified the service agreement process.

Best of all – customers have a choice!

EXTEND-A-STAR
*Added cost-efficient protection for printer maintenance*

- Extend Star's already included service warranty
- Bumper to bumper warranty
- Prompt repair turnovers
- Convenient online status of your printer is available
- Support available Monday-Friday from 9am-5pm (EST)
- Available in U.S. and Canada

SWAP-A-STAR
Convenient 24-hour printer replacement for optimum business productivity

- Never halt business productivity because of a POS printer again
- Star replacement printer sent next business day
- Replacement support available Monday-Friday from 9am-5pm (EST)
- Paid shipping for damaged printer
- Available in U.S. and Canada
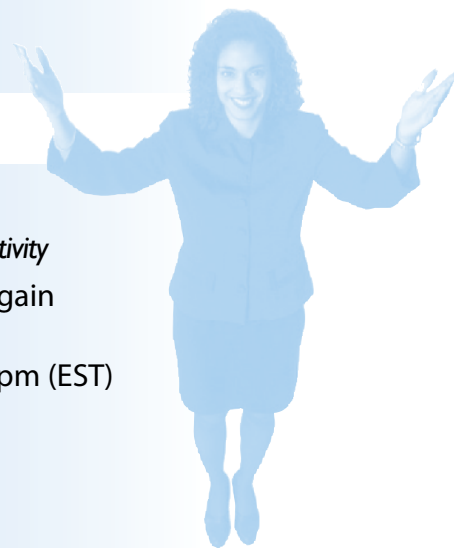
3 or 4 year warranty options available for both programs. Available on most thermal printers and the SP700 and SP500.

THE CHOICE IS YOURS!

EXTEND-A-STAR

SWAP-A-STAR

1-800-782-7636 ext. 108

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New product information can be found at

www.futurePRNT.com

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