mPOS • RETAIL • RECEIPTS • HOSPITALITY • LABELS • KIOSK • TICKETS

POS Printing Solutions

NEW FREE-OF-CHARGE DIGITAL RECEIPTING NOW INCLUDED

star

THE **2016** COLLECTION

Introduction

The retail market has evolved once again with retailers taking full advantage of the latest mobile device technology to enhance the customer's point of purchase experience as well as provide aesthetically pleasing, compact and, just as importantly, cost-effective POS solutions.

Once again Star Micronics, undoubtedly the world's most innovative POS peripheral manufacturer, was ready with a range of mPOS printers and accessories that have enabled retailers to adopt tablet and smartphone POS use across the retail environment.

Simple Cloud and Bluetooth printers are not enough. Retailers have shown they need a wider selection of products to manage payment, loyalty and security incorporating a choice of printing solutions. That not only takes investment but time. Other manufacturers have followed Star's lead but still cannot provide the complete range of mPOS peripherals which is why Star still leads the mPOS market.

…and now once again Star has shown it doesn't follow the market – it leads, with the introduction of two UNIQUE & MARKET CHANGING products.

NEW

View and store receipts / coupons on your customer's phones at no charge

AllReceipts

The fast, secure and easy route to digital receipting

AllReceipts Digital Receipting with **Star's AllReceipts App** – now included in the printer driver and ***FREE*** to retailers and customers with analytics and device management tools – *see page 8 for more information.*

Just download the App!

ANDROID APP ON Google Play

Download on the App Store

NEW

mPOP™

Bluetooth®

The World's 1st Bluetooth Combined 58mm Printer and Cash Drawer

The ultimate, unique peripheral for merchants requiring a Bluetooth combined printer and cash drawer that simplifies integration and whose good looks will complement any counter top. The only decision is whether to use a smartphone, Apple or Android tablet – *for more details see pages 6 & 7.*

iOS

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Direct Thermal 203 dpi Label, Receipt & Ticket mPOS & POS Printers

***NEW* mPOP**	Combined cash drawer & 58mm printer with Bluetooth connectivity designed specifically for the mobile mPOS market	6-7
TSP100 Series	Entry-level USB/LAN 80mm receipt printers – ★ ***NEW* Wireless LAN model** ★ ***FREE Digital Receipting with App feature***	9-11
TSP100 *futurePRNT* Software	Innovative TSP100 installation & marketing software included free-of-charge for all sizes of retailer	10-11
TSP654II Series	HIGH SPEED, 80mm entry-level 300mm/sec. receipt printers with interchangeable interfaces & new super white versions	12-13
TSP700II & TSP800II Series	Multi-functional 80mm & 112mm wide receipt, label & ticket printers ***NEW Bluetooth & WebPRNT versions***	16-17
FVP10 Series	Front operating, under counter, multi-functional 80mm wide receipt, label & ticket printers ***NEW Bluetooth & WebPRNT versions***	15
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TSP-L10 Series	High performance 80mm printer for secure transactions including coupon, lottery & ticketing & 20cm paper roll	19

Dot Matrix Kitchen & Receipt Printers

SP298 Series	Fast 3.1 lps, reliable, cost-effective 9-pin matrix impact slip printers	20
HSP7000 Series	HIGH SPEED, 203 dpi direct thermal/9-pin matrix hybrid combination receipt/cheque printer	20
SP700 Series	Advanced, high speed **red/black** clamshell receipt/kitchen printers ***NEW Bluetooth & WebPRNT versions***	21
SP500 Series	Entry level receipt/kitchen printers with 6 position black mark sensors	21
DP8340 Series	Versatile, wide (114mm), mobile, compact receipt/label printers (up to 2 lps)	18

mPOS Connectivity

***NEW* Bluetooth Desktop Direct Thermal & Matrix Kitchen Printers** (grey models only) with Apple iOS (including Auto Connect)/Android/Windows connectivity

TSP654IIBI	Entry-level, high performance 300mm/sec. receipt printer with cash drawer support	13
TSP743IIBI	Multi-functional printer capable of producing 80mm wide high quality receipts, labels & tickets on media up to 0.15mm thick	16
TSP847IIBI	Multi-functional printer capable of producing 112mm wide high quality receipts, labels & tickets on media up to 0.15mm thick	17
FVP10BI	Front operating, multi-functional printer capable of producing 80mm wide high quality receipts, labels & tickets	15
SP742BI	High speed, clamshell kitchen printer with splash proof design, internal power supply and **red/black** output	15

Please see Mobile Range below for hand-held/belt printers

***NEW* mPOP**	Combined 6 or 8 coin holder/4 note cash drawer & 58mm printer with Bluetooth connectivity	6-7
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DK-USB	Star Printer Power Provider option for WiFi Pack or other 3rd party dongles such as 3G etc.	25
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ProxiPRNT BLE Beacons	Proximity based printing & secure cash management beacons for mobile device distance access to Star printers & cash drawers	5
WebPRNT	Multi-platform plug-In hardware interface & Star WebPRNT Browser solutions for direct printing from a Web page	14

Mobile Receipt & Label Printers WiFi & Bluetooth versions

***NEW* SM-L200**	**Classic Bluetooth/BLE** – Low cost, 58mm mobile receipt & label printer with simple, no pin required connection with Bluetooth 4 devices including Apple iOS, Android, Linux & Windows	22-23
***NEW* SM-S230i**	**Bluetooth** – Super compact 58mm mobile receipt printer with OS auto-detect pairing. Apple iOS (MFi certified), Android, Linux & Windows	22-23
SM-S220i	**Bluetooth** – Counter top mobile 2" (58mm), Apple iOS (MFi certified)/Android/Windows mobile receipt printer	22-23
SM-T300i & SM-T400i	**Bluetooth** – 3" (80mm) & 4" (112mm), rugged, IP54 splash proof, Apple iOS (MFi certified)/Android/Windows printers	22-23
SM-T300DW	**WiFi** – 3" (80mm) rugged, IP54 dust & splash proof mobile receipt printer	22-23

POS Peripherals, Customer Displays & Cash Drawers

***NEW* mPOP**	Combined 6 or 8 coin holder/4 note cash drawer & 58mm printer with Bluetooth connectivity	6-7
CB-2002/CB-92II	Cash drawers available in charcoal grey, TSP143ECO black, Star white and the *NEW* Ultra white to match mPOS devices	24
DK-AirCash	Unique accessory to "wirelessly" mobilise any RJ11 traditional cash drawer – LAN, Bluetooth & LAN, WiFi & LAN versions available	25
SCD122 & SCD400	ESC/POS™ compatible customer displays with stand alone, telescopic pole & USB versions	24

Terminal Embedded/Kiosk Printers

Sanei SK1-21A/31A/32/41A	Range of compact, open frame printers – ★ ***NEW* SK1-22 2"/58mm Clamshell model** ★	28
TUP500 & TUP900 Series	Modular, open frame 80mm & 112mm wide receipt, label & ticket printers with A4 Replacement version using Scalable Raster Driver to reduce traditional laser running costs by 90%	29

Key Product Summary with Specifications

AsuraCPRNT *"All-in-One"*	32	**Dot Matrix, Impact Receipt & Kitchen Printers**	33
Mobile/mPOS Printers (Wireless & Bluetooth)	32	**Specialist Thermal Kiosk/Terminal, Lottery & Ticketing Printers**	34
Bluetooth Desktop Printers	33	**Direct Thermal mPOS, POS and Kiosk Printers**	35

Star Support & Connectivity 30-31

What's NEW from Star

Star has not only extensively researched the needs of its users with new products reflecting worldwide market POS & mPOS innovations but has also developed more software related products including AllReceipts. This solution enhances Star's printer range & works independently of the retailer's software, minimising installation costs.

AllReceipts

The World's 1st Digital Receipting function with Customer App

Star has taken printer enhancement to a new level with AllReceipts included within the Star printer driver or SDK.

Star's digital receipting offers retailers a free of charge and fast route to providing the customer with a digital image of a printed receipt as well as access to analytics, an in-store customer survey and device management tools. With zero development required, AllReceipts is enabled within the Star printer driver and works independently of a retailer's POS software. Retailers can show a URL using **Engage NOW**; can deliver coupons and promotions via the **Receipt Flip** function and customers can send feedback to the retailer remaining completely anonymous. *No need to login, no need to give up personal information (email/phone numbers) and the best part is the service is* ***FREE!*** *(See page 8 for more details)*

mPOP™

The World's 1st Bluetooth Combined 58mm Printer and Cash Drawer

Star is known worldwide as the most dominant printer manufacturer for **mPOS** with connectivity at all levels, so it is only natural for Star to create the world's 1st Bluetooth all-in-one mPOS cash drawer. Designed for use under and above the counter with just one power cable for all mPOP functions including scanner use, as well as one or two external device charging. *(See pages 6 & 7 for more details)*

NEW TSP143III Wireless LAN

The **TSP143III WLAN** is the latest model from Star's renowned TSP100 Series used by retailers and restaurateurs across the globe from major retailers and fast food restaurants to your local corner shop and café. Offering simple, yet effective wireless communication, the TSP143III WLAN supports 802.11b/g/n (2.4GHz) with an easy-to-use and ready to go WPS setup. Compact footprint, fast 250mm/second speed with internal power supply and vertical mount kit in the box makes this the perfect wireless kitchen/pop-up receipt printer.

NEW 58mm Apple iOS certified & Star's 1st 58mm Classic Bluetooth/BT4.0 Low Energy Mobile Printers

SM-L200 has been designed specifically for the **mPOS** market and happily connects with Classic Bluetooth 2.1 and Bluetooth 4 devices without the need for pin codes or traditional pairing methods. The compact design, convenient USB charging and 13 hour battery life is perfect for environments where retailers do not want to pair one printer to just one tablet. Essentially all tablets/smartphones could talk to this printer.

SM-S230i is Star's latest traditional Bluetooth mobile with next generation features including auto-detect pairing to Apple iOS (with MFi certification), Android and Windows devices. Battery life has been increased to 13 hours with a more compact, yet durable design with a drop test of 1.5 metres. *(See pages 22, 23 & 32 for more information)*

ASURA CPRNT

The World's 1st "All-In-One" interactive communication platform

The AsuraCPRNT, with integrated printer can be used as a standalone terminal or as a thin client/server in any industry. The BCR/MSR options lend themselves for multiple applications from in-store video advertising to retail merchandising, queue management, price checking, self checkout and beyond… ***the options are endless!***

(See pages 26-27 for more details)

mPOS Peripherals

mPOS Ultra White Range

Today's mPOS marketplace is currently experiencing exponential growth worldwide and Star is at the forefront of this mPOS revolution with the widest selection of printers and accessories available today, including a new super white range to aesthetically match the user's chosen device whether it be an Android, Apple or Windows Smartphone or tablet – see TSP100ECO, TSP100LAN & TSP654II.

The World's Largest Range of Bluetooth Kitchen Label, Receipt & Ticket Printers

Including entry-level Receipt, Kitchen Matrix, Label and 80 or 112mm wide Ticket Printers using media up to 0.15mm thick for Apple iOS, Android & Windows – see TSP654II, TSP743II, TSP847II, SP742 & FVP10.

Star DK-AirCash

Unique accessory to mobilise any Cash Drawer.

Low cost, Cash Drawer Accessory enabling mPOS users to open the cash drawer of their choice with a standard RJ-11 printer connection via their mobile device in a variety of environments with Star's unique Auto Connect feature. *(See page 25 for more details)*

Star WiFi Power Pack

Star WiFi Power Pack with DK-USB Printer Power Connection.

No 2nd power socket needed. For use with STAR LAN & WebPRNT printers.

- Star DK-USB – designed to provide USB power for external 3rd party dongles minimising the number of external cables and power sockets required *(See page 25 for more details)*

Developer's Tools

NEW star PassPRNT

Introducing **PassPRNT** from Star Micronics, a sophisticated print data relaying application available for iOS with other operating systems to follow. PassPRNT effectively receives data from an iOS application such as Filemaker Go or any web browser including Safari/Chrome using a URL scheme to then print on a Star Bluetooth printer. Star PassPRNT supported models include S-S220i/230i, SM-T300i/400i, TSP654IIBI, TSP743IIBI & TSP847IIBI.

star webPRNT

Platform independent HTML/JavaScript Printing from the Web.

Offering the world's largest range of low cost networking Thermal Receipt, Ticket & Label printers as well as a Matrix Kitchen printer.

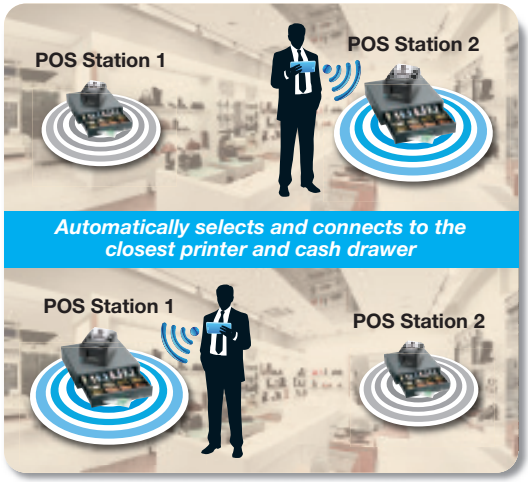
- **TSP654IIWP WEB** – 80mm Thermal, Entry-Level Receipt printer
- **TSP743WP WEB** – 80mm Thermal Label, Receipt and Ticket printer (0.15mm)
- **FVP10WP WEB** – Front operating 80mm Thermal Label, Receipt and Ticket printer (0.15mm)
- **TSP847WP WEB** – 112mm Thermal Label, Receipt and Ticket printer (0.15mm)
- **SP742WP WEB** – 76mm, 2 Colour Matrix Kitchen printer

Plus new Star WebPRNT browser for Bluetooth mobile and counter printers.

(See page 14 for specifications)

star ProxiPRNT

Proximity Based Printing & Secure Cash Management for mPOS



Using BLE beacons integrated with StarIO Printer and Cash Drawer support API or SDK to provide remote tablet access to Star printers and cash drawers. Once integrated with the Star receipt printer or cash drawer, Star's ProxiPRNT will enable the sales assistant to automatically select and print to the closest printer as well as ensure that a cash drawer can only be opened wirelessly if the sales assistant is standing right next to it.

- Threshold distances can be set as required
- Supports Star & compatible cash drawers fitted with DK-AirCash
- Full Star IO and SDK support

"The *NEW* ultimate and unique peripheral for merchants requiring a Bluetooth combined printer and cash drawer."

Bluetooth®

NEW mPOP™

THE MOBILE POINT OF PURCHASE SOLUTION

Outstanding connectivity and design, plus intuitive functionality and simple integration are delivered ready to work with your chosen, mobile, software and card payment system. Welcome to a new era for mPOS.

Tablet and phone not included.

The World's 1st Bluetooth Combined 58mm Printer and Cash Drawer

Advanced mobile devices and app software have opened up new avenues for retailers. At Star Micronics we've developed the world's first conceptually driven, combined point of purchase cash drawer and printer in response to the need for an easily integrated mobile POS system. In the **mPOP** we've created something that's aesthetically simple and elegant, yet loaded with intuitive design features. At just 10cm high and 30cm wide it's easily transportable, whilst the Bluetooth connectivity means only one mains cable is needed for full operation.

mPOP works with all major mobile operating systems including Apple iOS, Android and Windows, giving retailers the freedom to use the platform that works for them.

iOS

ANDROID APP ON Google Play

Download on the App Store

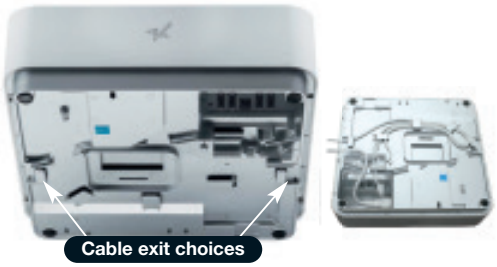
The multiple functions and connectivity of the **mPOP** make processing customer transactions smooth and effortless for outlets such as bars and cafés, florists and pop up shops. The sleek design will complement any counter top or, for an even less intrusive look, it can be secured underneath a countertop.

mPOP™

Use with YOUR choice of mobile device.

▶ Compact, stylish and functional

Just 10cm high and 30cm wide, the mPOP unit will sit happily in retail and hospitality environments providing receipts and change for your sale. Just add the latest third party card pin pad to your set-up.



▶ Effective cable management

Enhanced cable routing and various cable exit options maintain the sleek design in your retail environment.

mPOP™ Reliable 100mm/second printer

with intuitive top loading & easy front feed, the printer uses traditional direct thermal receipt paper which does not need ribbons or toner and is readily available. The partial cut guillotine automatically cuts the 58mm wide receipt so it won't drop on the floor. Simple paper loading – just push the front printer panel and press the easy release lever to drop in the paper roll and then print.

mPOP™ Functional but compact cash drawer

A clean, fast drawer release reveals 6 coin holders capable of taking full bank bags of coins and 4 upright note dividers. There is a low cost 8 coin option if required. Higher value notes can be stored securely under the coin inserts and a software lock provides extra security.

mPOP™ Classic Bluetooth Connectivity

Choose the mobile device of your choice – Android, Apple, Linux or Windows tablet/smartphone for simple Bluetooth pairing. The mPOP LED display will quickly let you know pairing status as well as any issues such as paper out etc.

mPOP™ Compact, mobile POS design

for the retail environment is further enhanced by the need for just one single mains cable for all mPOP functions. One or two external device chargers are included as well as the Star scanner which can be included at purchase or bought at a later date. USB connectivity ports are neatly positioned in a recess in the base of the unit, offering quick and easy access as well as providing its own secure cable management… ***simply plug in and go!***

mPOP™ Security

– a secure counter clip is supplied to help protect the mPOP unit when used above the counter along with the 3rd party Kensington™ lock facility. The under-counter mount kit option will enable you to position the mPOP unit in a more secure environment if preferred.

mPOP Specifications

Two versions available: 1. With Star Scanner 2. Without Star Scanner (Star scanner can be purchased as an option)

Printer	Print Method	2" Direct Thermal with Front Loading Design	Internal Power Supply	Energy Star
	Print Speed	100mm/sec	mPOP Case Colour	White & Silver / Black & Silver
	Cutter	Guillotine	Interface	Bluetooth 2.1 & USB
Paper	Width	58mm	Status LEDs	Yes (Power, Error, Bluetooth Status, etc.)
	Roll Diameter	50mm	Operating System	iOS / Android / Windows
	Paper Thickness	53µm – 75µm	Emulation	Star Line Mobile Mode
	Print Area	54mm or 48mm (software adjustable)	USB Port	1 Slave USB Port, 2 x 0.5A USB Host, 2 x 1.5A USB Host for external device charging / peripherals
	Paper Load	Drop In / Front presentation		
Cash Drawer	Notes & Coins	4 upright note holders & 6 coin slots (8 slot option)	Sensors	Cover open, PE
	Lock Key	Software controlled lock with emergency lock release	External Dimensions	308 x 300 x 100mm (w x d x h) 3.5kg
mPOP Options		• Wired Star BarCode Scanner • Under Counter Mount kit • 3rd Party VESA Stand Fixing Base		
Included in mPOP Box		• Simple double sided stand • mPOP fixing tool • AC cable • Paper roll • BCR (with scanner version)		

In the box at purchase:

- mPOP can be purchased with the plug and play Star scanner, or this can be added as a later option
- For immediate set-up, a complementary stand is included. Options for one or two devices could provide both customer & retailer displays if allowed by software. Or alternatively, choose a 3rd party stand to match the secure VESA mount screw-down option

- Secure clip for mounting to retail station counter
- Kensington™ lock facility for enhanced security using a wide range of compatible 3rd party locks

Options include:

- Plug and play Star scanner
- Under-counter mount kit
- Secure VESA mount for industry standard 3rd party device stands
- 3rd party Kensington™ lock

NEW "AllReceipts is a FREE *DIGITAL RECEIPTING SERVICE* that uses the Cloud & mobile App to bridge the gap between the retailer & shopper."

AllReceipts

from STAR MICRONICS CLOUD

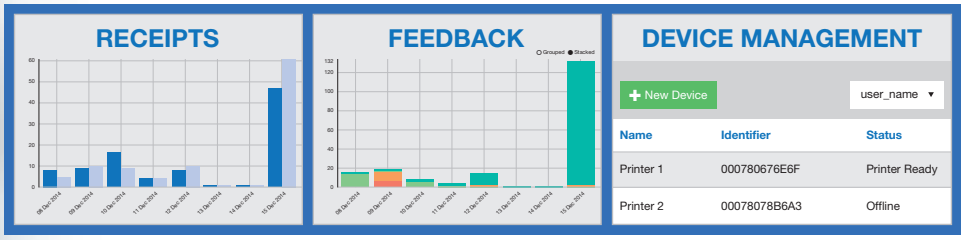
The fast, secure and easy route to digital receipting

The NEW, FAST & LOW COST ROUTE to DIGITAL RECEIPTING for Retailers

AllReceipts is FREE of CHARGE, simple to install and works "above" the retailer's software. All you need is a Star printer linked to the internet to send an image of the receipt and coupon to the **AllReceipts App** on your customer's phone – *no email address required!*

Valuable Promotional & Cloud based Reporting Tools for Retailers have also been included, plus:

- ***NEW* Receipt Flip Tool** providing the opportunity to upload four colour promotions/images/terms & conditions to the customer's smartphone as normally available on the reverse side of a receipt except the retailer can now change these images as and when required without cost.
- ***NEW* Engage NOW Tool** allowing retailers to communicate with customers despite the anonymity advantages. Retailers can link their logo on the **AllReceipts App** on the customer's smart phone dynamically to their choice of web page for further customer interaction – welcome discounts, promotions etc., changeable as and when required.
- **Star's Device Management Tool** provides real time status across the installed base of printers including different locations with refreshed error status notification on a comprehensive cloud based dashboard.
- **"Instant" Customer Satisfaction Survey** which the customer completes while "claiming" the receipt.
- **Increased Coupon Redemption** customers will no longer have to remember receipts and will be grateful you have made the coupon so simple to use, including checking redemption dates.



- **Zero development** is needed as **All**Receipts is enabled within the Star printer driver and is triggered by printing a traditional receipt. Working independently of a retailer's existing POS software, it automatically generates and securely sends an image of the receipt and coupon (where relevant) to the cloud until claimed.

AllReceipts App

ANDROID APP ON Google Play

Download on the App Store

Available NOW!

AllReceipts is subject to local country legislative requirements. **All**Receipts available in English, French, German, Spanish & Portuguese for mainland Europe, South Africa, South & North America.

AllReceipts available on Star Desktop Thermal Receipts printers:

- TSP100 using *futurePRNT* driver
- TSP600, 700, 800, FVP10 Series via Windows StarPRNT Intelligence
- mPOS iOS & Android available within the Star SDK for Star Developers

All drivers available at:
www.starmicronics.com/support
Check with Star for latest list of software integrators.

Contact Star for more details at Sales@Star-EMEA.com

TSP100 Introduction

Setting new standards for POS printing technology, Star's best selling printer worldwide, the TSP100, is the first software-driven POS receipt printer to provide an immediate plug & play application. This allows retailers to tailor and continuously modify all aspects of receipting output to meet their individual needs.

Advanced features such as receipt re-design, electronic journal, print-on-demand, graphic dependent multi-copy receipting and automatic text reduction are also included as simple tick-box changes.

The unique TSP100 set-up utility reduces integration time to minutes as it can simply mirror individual printer settings to multiple units in different locations, if required. The printer does not have to be taken out of the box for pre-installation. This is all achieved outside of the core POS software, providing endless possibilities.

The advantages of the TSP100 stretch from the retailer, POS reseller to the system integrator.

TSP100 *futurePRNT*

NEW Ultra White versions to match today's mPOS mobile devices.

NEW

TSP143III WLAN

is the latest model from Star's renowned TSP100 Series used by retailers and restaurateurs across the globe, from major retailers and fast food restaurants, to your local corner shop and café.

The **TSP143III WLAN** offers simple, yet effective wireless communication, supporting 802.11b/g/n (2.4GHz) with an easy-to-use and ready to go WPS setup.

RETAIL
- Point-of-Sale
- Retail Couponing

HOSPITALITY
- Table Receipting
- Hotel Invoicing
- Kitchen Printing

DELIVERY LOGISTICS

– and so much more.

Full specifications on page 35 or www.*futurePRNT*.com

TSP100 *futurePRNT* – Product range

	TSP100U / TSP100GT	TSP100ECO	TSP100LAN	TSP100III Wireless LAN
				NEW
Model Summary	**TSP143U** – 125mm/sec. USB Autocutter model. Available in Charcoal Grey or Star White **TSP143GT** – 250mm/sec. USB Autocutter model. Available in High Gloss Piano Black & Star White	**TSP143ECO** – 150mm/sec. USB Autocutter model. Available in Black, Star White & *NEW* Ultra White	**TSP143LAN** – 125mm/sec. Ethernet Autocutter model. Available in Charcoal Grey, Star White & *NEW* Ultra White	**TSP143III WLAN** – 250mm/sec. Wireless 802.11 b/g/n (2.4GHz) Model. Autocutter – Life: 2 million cuts. Available in Black & *NEW* Ultra White
Key Features	• Easy-Load "Drop-In & Print" paper loading • Unique *futurePRNT* software included with Mass Install Tool so you do not need to take the printer out of the box to install. All the settings are held on the PC!	• Easy-Load "Drop-In & Print" paper loading • Unique *futurePRNT* software included with Mass Install Tool so you do not need to take the printer out of the box to install. All the settings are held on the PC!!	• Unique Ethernet Print on Disconnection Feature • Easy-Load "Drop-In & Print" paper loading • Unique *futurePRNT* software included with Mass Install Tool so you do not need to take the printer out of the box to install. All the settings are held on the PC!	• WLAN cable-free interface • Unique Print on Disconnection Feature • WPS easy set-up • "Drop-In & Print" paper loading • THIN paper capability (0.053 to 0.085mm) • Unique *futurePRNT* software with Print on Demand ECO feature
AllReceipts Digital Receipting	***NEW*** **FREE-OF-CHARGE Digital Receipting using Star's AllReceipts App – see page 8 for details**			
What's in the box	• **USB Cable** • **Internal Power Supply with 1.8m Power Cord** • **Wall Mount Bracket** • **Vertical Mount Accessory** • **58mm Paper Guide** • **Power Switch Cover** • **Installation CD and Value-Added Software**	• **USB Cable** • **Internal Power Supply with 1.8m Power Cord** • **Wall Mount Bracket** • **Vertical Mount Accessory** • **58mm Paper Guide** • **Installation CD and Value-Added Software**	• **LAN Cable** • **Internal Power Supply with 1.8m Power Cord** • **Wall Mount Bracket** • **Vertical Mount Accessory** • **58mm Paper Guide** • **Power Switch Cover** • **Installation CD and Value-Added Software**	• **Internal Power Supply with 1.8m Power Cord** • **Wall Mount Bracket** • **Vertical Mount Accessory** • **58mm Paper Guide** • **Power Switch Cover** • **Set-up Instructions**
Optional extras	• Splash Proof Cover • Display Stand for vertical use	• Splash Proof Cover • Display Stand for vertical use	• Splash Proof Cover • Display Stand for vertical use • WiFi Power Pack	• Splash Proof Cover • Display Stand for vertical use

4 Year Warranty on all models within the TSP100 *futurePRNT* Series including print head and cutter (Europe and South Africa)

futurePRNT software

Star's *futurePRNT*™ free-of-charge, value-added software far exceeds installation tools normally provided, enabling users to install high volume, custom set-ups without even taking the printer out of its box.

Pre-Installation Software

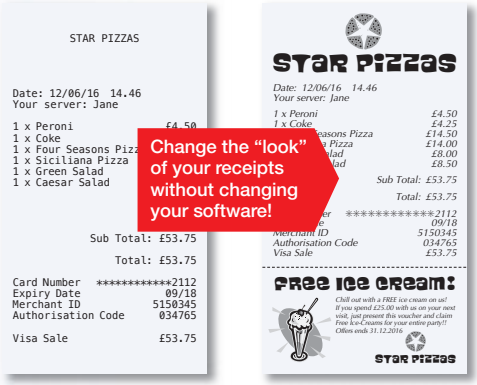
All settings are stored on the PC removing the need to pre-configure the printer itself. Time and maintenance savings are the key reasons why the TSP100 is the printer of choice, used by so many high profile retailers. Please ring Star for more details.

"Giving retailers and restaurateurs powerful and invaluable marketing tools at their disposal that work on top of their current POS software."

Star *futurePRNT* software is supplied in the box in 18 European languages from Croatian to Norwegian.

Create branded and motivating receipts to inspire customers with *futurePRNT*'s **Receipt Redesign Tools** including:

- **Image Import Tool** for any size mono or colour BMPs, JPEGs or GIFs
- **Receipt Pre-View Tool**
- **Receipt Cropping Tool, Font Replacement Tool, Coupon Marketing Tool** and **Text Trigger Tool** all work independently of current retail software allowing customers to pre-determine words to "trigger" coupons and graphics
- **Journal and Multi-Copy Tool** – provides up to four copies with individual text and graphics per copy – perfect for DIY stores, fast food outlets etc.
- **Auto-Text Reversal™ Tool** – for vertical/wall mount use



- **Dedicated *futurePRNT* SDKs** – Star's *futurePRNT* software is accompanied by a dedicated Software Developer Kit with a wide range of tools available, allowing the system designer to take advantage of the TSP100's software and hardware features

Windows · iOS · Mac · Linux · OPOS · JavaPOS™ · ESC/POS™

TSP100 options:

CB2002 Cash Drawer
ECO black, Ultra white or standard white version for TSP654II Series
Splash Proof Cover
Vertical Desk Stand

TSP100ECO

TSP100GT

TSP100U

TSP100LAN

TSP100 WLAN

NEW

View and store receipts / coupons on your customer's phones at no charge

AllReceipts

The fast, secure and easy route to digital receipting

AllReceipts Digital Receipting with **Star's AllReceipts App** – now included in printer driver and ***FREE*** to retailers and customers with analytics and device management tools – *see page 8 for more information.*

Just download the App!

ANDROID APP ON Google Play

Download on the App Store

4 Year Warranty on all models within the TSP100 *futurePRNT* Series including print head and cutter (Europe and South Africa)

TSP100ECO *futurePRNT*

Providing low cost printing with superior quality, the TSP100ECO offers unique paper saving features that could help retailers use up to 70% less paper. This not only reduces paper consumption but means less frequent paper roll changes at the checkout, lower transportation and logistics costs.

"TSP100ECO *futurePRNT* tools & features could reduce paper consumption by 70% or more."

Paper Saving Tools

- **Unique Partial Cut 3mm Default Top Margin**
- **Receipt Auto Reduction** – automatically reduce the length and width of receipts without changing the customer's original software set-up. With simple tick commands the TSP100ECO software can reduce the size of receipts by up to 72.5% horizontally and 50% vertically.

Reduce your receipts and paper usage without changing your current POS Software.

- **Receipt Printing on Demand** – using its **Operator Prompt** function the TSP100ECO *futurePRNT* software prompts the retailer as to whether a receipt is required. The receipt can then either be cancelled or printed providing the perfect solution for low cost consumables where receipts are not essential. All cancelled receipts can be saved graphically and be reviewed or reprinted. *(**Note:** Not all countries will allow this feature so the software may be modified on a regional basis).* **Also available on TSP143III WLAN.**

Typical Retail Power Usage

18 Hour Day / 12 Hour Day Results

Typical Power Consumption Scenarios:

A. POS System-On Mode: **18 hour day – 26.8 kWh**

B. POS System-On Mode: **12 hour day – 19.11 kWh**

No competitor today can match this.
Just ask Star for comparative details.

(Estimated power consumption based on evaluation results by Star Japan R&D, using Hioki 3332 POWER HiTESTER for 300 x 150mm receipts per day, 365 days a year for 5 years.)

11mm

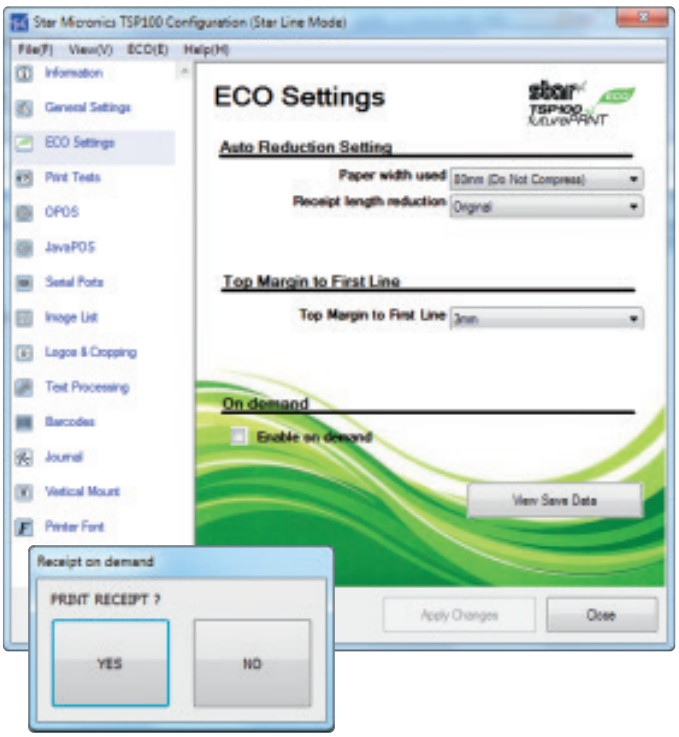
3mm default

Retailer Tip: Many competitors cannot achieve a 3mm Top Margin and may lose the retailer's logos when changing the paper. Retailers should always check the margins very carefully when comparing competitive POS printers.

TSP100ECO Power Management

Star has designed the TSP100ECO to correspond directly with the PC it has been attached to. The printer will only be activated when attaching the included USB cable to the printer and PC/terminal and the PC/terminal is powered, otherwise it will remain in standby mode.

Star's power efficient method means the printer will revert with the PC to a very low powered standby mode when not in use, "instantly" waking up when needed, saving costs and power usage.



Full specifications on page 35 or www.*futurePRNT*.com

4 Year Warranty on all models within the TSP100 *futurePRNT* Series including print head and cutter (Europe and South Africa)

"Entry level, ergonomic receipt printer fits seamlessly into the majority of Hospitality, Retail and Kiosk environments."

RETAIL
- Retail Couponing
- Point-of-Sale Receipting

HOSPITALITY
- Hotel Invoicing
- Table Receipting

KIOSK

...and so much more.

TSP654II Series NEW

Entry Level, 300mm/second POS Receipt Printer

ENERGY STAR

- Fast single station transaction receipt printer producing receipts and tickets at 300mm/sec.
- High resolution print output 203 dpi with standard and 2D barcode support
- Energy Star Certified including PS60
- Near end sensor for horizontal and vertical use
- Ergonomic design with optional splash proof cover
- Star AutoLogo™ feature to independently add logos and coupons to receipts
- Easy "Drop-In & Print" paper loading
- User friendly, interchangeable plug-in interfaces allow for easy system upgrades
- ***NEW*** **Digital Receipting** available – see page 8

Tablet Connectivity options:
- **Star WebPRNT Printing** – "Plug-In" interface option solution for simple Web printing (HE07X)

Interface versions available:
- **TSP654II** Non Interface, available in White/Grey & ***NEW*** **Ultra White** models
- **TSP654IID** Serial, available in White/Grey
- **TSP654IIC** Parallel, available in White/Grey
- **TSP654IIE** Ethernet, available in Grey
- **TSP654IIU** USB, available in Grey
- **TSP654IIBI** Bluetooth, available in White/Grey
- **TSP654II WebPRNT** Driverless web printer in Grey

Included in Box at purchase
Set-Up CD-ROM, wall mount kit, power switch cover, sample paper roll

Options:
- PS60 Power Supply
- Splashproof Cover
- Vertical Desk Stand

TSP654II options:

CB2002 Cash Drawer
ECO black, Ultra white or standard white version for TSP654II Series

Vertical Desk Stand

Splash Proof Cover

NEWS...
All TSP654II models will include Star PS60 Power Supply free-of-charge.
(TSP654SK not included)

TSP654IIBI Bluetooth NEW

Market's First, High Performance, Entry Level iOS Compatible Bluetooth Desktop Printer with Cash Drawer Support

- Switches easily from Apple iOS Bluetooth to Android
- Out-of-the-box wireless desktop printing solution
- Apple MFi Certified – Pairs with iPad, iPhone, iPod Touch as well as all Bluetooth Devices supporting Serial Port Profile (SPP)
- Compatible with major operating systems including Apple iOS, Android, Windows, Linux handheld devices allowing the user to seamlessly migrate to another operating system, if required
- Demo apps available on Google Play and iTunes stores
- Star WebPRNT Browser for direct web printing from a web page from Google Play or App Store
- AutoConnect feature will reconnect to the last host after power on or out of range situation

"Combining high performance and reliability, the TSP654IIBI iOS compatible Bluetooth Desktop Printer is designed to work with Apple iOS, Android, Windows, Linux or any operating system enabled handheld device."

TSP654II WebPRNT

Platform independent, high speed network receipt printer

- Out-Of-The-Box desktop cloud printing solution
- Easy and Simple to use with device independent printing solution
- BYOD (Bring Your Own Device) compatible
  - Printing from customers' mobiles, tablets, etc with zero software installation
  - Printing consistent receipts from any web browser with zero platform dependent code
- Full status back support
- WiFi Power Pack compatible for true wireless web based printing

star webPRNT

"Capable of web based printing from any platform."

TSP654SK Re-Stick

The variable length alternative to traditional labelling

- The Thermal Post-It™ note solution for the POS market providing the ideal "Re-Stick" customer labelling solution for Pizzerias, Take-Out, Cafés, Promotional Couponing, Special Fast Food Orders etc.
- Reduced speed version of TSP650 designed to work with self-adhesive media. Contact Star for list of approved suppliers
- Environmentally friendly labelling with increased percentage of labels available per roll when compared to traditional methods

"The TSP654SK Re-Stick printer is designed to work with liner-free labelling applications."

Full specifications on pages 33 & 35 or www.Star-EMEA.com

"*NEW* plug-in hardware & Star WebPRNT Browser enabling multi-platform web printing from Star."

RETAIL
- Queue Busting
- Stock Checker
- Mobile Receipting
- Cloud-Based POS

HOSPITALITY
- Cloud-Based Hotel Check-In Applications
- Web-based Ticketing
- Cable Free Kitchen Printing

LOGISTICS
- Web-Based Labelling for Couriers

– and so much more.

Printers able to use HE07X/HE08X Plug-In Interface solution:
- **TSP654II** Series
- **TSP700II** Series
- **TSP800II** Series
- **SP700** Series (HE08X)
- **FVP10** Series (BE07X)

Printers able to use Star WebPRNT Browser:
- Star Bluetooth Mobile range – **SM-L200, SM-S220i, SM-S230i, SM-T300i, SM-T400i**
- Star Thermal Bluetooth range – including **TSP654IIBI, TSP743BI, TSP847BI, SP742BI, FVP10BI**

Reseller Tip:
Low cost, easy & simple to use! Retailers can install multiple platforms according to system requirements and expect the same outstanding results.

WebPRNT

Connecting your Star Desktop & Mobile printers to the Web wherever you are!

star webPRNT

Given its recent success in the mobile market, Star realises there is a growing requirement to print from both mobile and desktop applications to receipt printers. Star's platform-agnostic WebPRNT solution is designed to generate print data via a web browser to output directly to any Star printer fitted with a WebPRNT interface or using Star's WebPRNT Browser available from GooglePlay or the App Store.

Offering either a low cost "Plug-In" interface or Star WebPRNT Browser solution, Star WebPRNT removes the issues usually associated with web-based printing by offering driverless printing capabilities for all receipt data, utilising HTML and JavaScript standards to provide consistent browser printing. Star WebPRNT supports all standard receipt requirements including logos, barcodes etc. The **WebPRNT.com** site fully demonstrates WebPRNT's capability and is a useful tool for resellers as well as developers working with Star's extensive range of thermal POS printers.

Star WebPRNT "Plug-In" Interface
- Simple Installation – easy "plug-in" interface user installable
- BYOD (Bring Your Own Device) compatible
  - Printing from customers' mobiles, tablets, etc with zero software installation
  - Printing consistent receipts from any web browser with zero platform dependent code

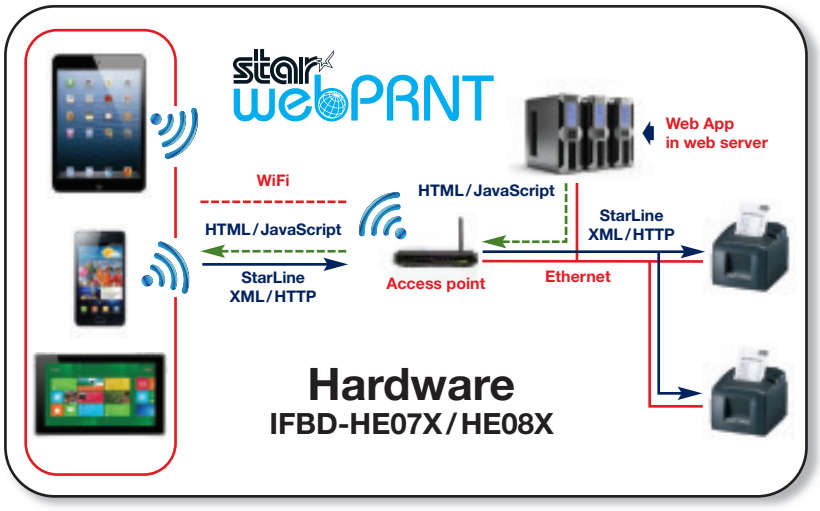
Star WebPRNT Browser
Simplifies direct printing from the Web to Star's huge range of low cost ticket/label/kitchen/mobile Bluetooth printers, as well as supporting all relevant web technologies. Full screen user interface mode available for OEM/kiosk use. Download from GooglePlay or App Store.

WebPRNT SDKs including a demonstration page are available from Star's global support site at **www.starmicronics.com/support**

The really clever part is that a Star WebPRNT printer does not need a local server and is not PC dependent. You just need to share the network with your web enabled device.

Using Star WebPRNT technology a single web-based application can be accessed by the browser on multiple platforms including Windows, Linux, Android, iOS, Mac OS, Blackberry and Symbian yielding identical print output.

▶ ***Star WiFi Power Pack compatible for true wireless Web based printing***



Windows
iOS
Mac
Linux
BlackBerry
symbian

FVP10 Series

The World's Only Front Operating, Under-Counter Thermal Receipt and Label Printer

- High quality 203 dpi output combined with speeds of up to 250mm/second
- High reliability – (60 million lines MCBF)
- Unique front loading drawer with easy "Drop-In & Print" paper loading
- Tough and durable splash proof casing with IPX1 certification and downward angled paper exit to prevent liquid intake
- Intuitive square design provides space-saving opportunities on and below the counter
- Black mark sensor support for barcodes, receipts, labels & tickets
- 58 – 80mm fully adjustable paper widths
- Full audio capability with line-out option for external speakers
- ***NEW*** **Digital Receipting** available – see page 8

Interfaces available:

- **FVP10U** – Built-in USB with Parallel, Serial (BD03) & Ethernet (BE07X) options
- **WiFi** option available, see page 25 for more information on the Star WiFi Power Pack
- **Star WebPRNT Printing** – "Plug-In" interface solution for simple Web printing

NEW **FVP10BI Bluetooth** version for Apple iOS, Android & Windows (MFi certified)

Features like Unique Drawer Paper Loading and "Drop-In & Print" Easy Load have made the FVP10 the "Receipt Printer of Choice" for well-known Fast Food retailers, as well as luxury brands – contact Star for more details.

Providing additional flexibility, why not upgrade your current FVP10 in the following ways:

- **Star WiFi Power Pack** – low cost accessory, providing simple WiFi printing directly from Smartphones, Tablets, PCs or any other mobile device to a Star FVP10 printer. For more information, see page 25
- **WebPRNT** – add Star WebPRNT plug-in interface BE07X option for simple web printing. For more information on the benefits of Star WebPRNT, see page 14

"Multi-Functional under-counter printer, with front operation, offering a new method of user and printer interaction with unique voice communication tool."

Reseller & Retailer Tip: The FVP10 features a dual interface facility with USB as standard and additional port for second plug-in options – Serial, Parallel, Ethernet, WebPRNT.

The FVP10 offers compact shelving opportunities with the Shelf mount option and power supply holder

FVP10 options:

CB2002 Cash Drawer
New grey or white versions

Under Shelf Mount option with power supply holder

FVP10 "Plug-in" 2nd interface option

Full specifications on pages 33 & 35 or www.Star-EMEA.com

"Star's intuitive design allows users to change its interface efficiently, allowing the upgrade of a POS system without the need to upgrade the printer."

RETAIL
- Point-of-Sale Transactions
- Shelf Edge Labels/Product Labelling

HOSPITALITY
- Table-Service
- Kitchen Printing

DELIVERY LOGISTICS
- Reports
- Parts Lists
- Delivery Receipting
- Product Labelling

KIOSK
- Remote Printing

TRADITIONAL/mPOS TICKETING
- Event Ticketing
- Lottery Printing

TSP700II Series

The World's Only High Speed 80mm wide Barcode, Label, Receipt and Ticket Printers

Combining speed, reliability and ease-of-use, the TSP700II multifunctional 80mm printer produces high resolution graphics and barcodes for tickets, receipts and labels

- Fast single transaction receipt printer capable of producing barcodes, labels and tickets at 250mm/sec.
- Large paper roll capacity, diameter 100mm (offering up to 60% more paper than a standard 80mm roll)
- "Drop-In & Print" easy paper loading
- Full or partial cut AutoCutter (centre tab) life 2 million cuts
- Ergonomic splash resistant design with easy-clean (case) and Splash Proof Cover available
- Double Density (406 x 203 dpi) for high quality graphics, 1D & 2D barcodes etc.
- Compatibility with all major operating platforms with a comprehensive suite of drivers including Microsoft WHQL certification for seamless USB integration
- ***NEW*** **Digital Receipting** available – see page 8

Tablet Connectivity options:
- **Star WebPRNT Printing** – HE07X "Plug-In" Interface option for simple Web printing or Star WebPRNT Browser available from App Store or Google Play – see page 14

Interface versions available:
- **TSP743IID** Serial Interface
- **TSP743IIC** Parallel Interface
- **TSP743IIU** USB Interface
- **TSP743II** Non-interface version for use with low cost Ethernet (HE07)/WebPRNT (HE07X) options
- **WiFi** Option available, see page 25 for more information on the Star WiFi Power Pack
- **WebPRNT** Option available, see page 14 for more information on WebPRNT
- ***NEW*** **TSP743IIBI Bluetooth** grey version now available with unique Auto Connect facility

TSP700II DRIVER/ADVANCED CONFIGURATION UTILITY

- The **"Image List"** allows users to name and import multiple file types without having to use an external image editing utility. This is particularly useful for single users to prepare an image (size, shade, pixel output) and then test print it to check the final quality
- **NV logo** allows users to quickly and easily download logos to the printer
- Ability to change **Memory Switches** in an easy-to-use graphical user interface
- The new built-in **Ethernet Set-up** feature avoids having to download a separate utility
- **Auto-Text Reverse** for vertical use is available from the Device settings menu in raster mode
- **Intuitive simple set-up** provides compatibility with all Star single station printers

Barcodes, labels, receipts and tickets all from one model

Accessories included in box with printer at purchase: Driver CD, Wall Mount Kits, Interface & Power Switch Covers

TSP800II Series

The World's Only High Speed 112mm wide Barcode, Label, Receipt and Ticket Printers

Providing unique versatility and cost effectiveness, the TSP800II series is capable of printing on wider than average media up to 112mm with an automatic A4 raster driver scaling A4 images onto A6

- 180mm/second Barcode, Label, Receipt and Ticket Printer with Autocutter as standard
- Wide 4" (104mm) print width – on paper stock up to 0.15mm thick. Paper guide for 80mm paper roll printing
- Internal or External paper feed paths (external for large capacity or fanfold applications)
- "Drop-In & Print" easy paper loading
- Compact footprint with vertical "Desk Boot" and Wall Mount options – ideal for kiosk applications
- ESC/POS™ compatible in Standard and "Super Large" mode
- Automatic scalable raster driver for immediate A4 reduction to A6
- ***NEW*** **Digital Receipting** available – see page 8

Interface versions available:

- **TSP847IID** Serial Interface
- **TSP847IIC** Parallel Interface
- **TSP847IIU** USB Interface
- **TSP847II** Non-Interface version for use with low cost Ethernet/WebPRNT
- **WiFi** option available, see page 25 for more information on the Star WiFi Power Pack
- **WebPRNT** option available, see page 14 for more information on WebPRNT

NEW **TSP847IIBI Bluetooth** grey version now available with unique Auto Connect facility with WebPRNT Browser

Two in One – POS & A4 Replacement Printer

The TSP800II direct thermal printer can automatically print A4 output on 112mm wide paper simply by selecting the TSP800II scalable raster driver

Obvious advantages include:

- **Lower running costs** – TSP800II costs 90.47%* less to run than a typical laser printer
- **Compact printer footprint** – at only 180 (w) x 213 (d) x 148 (h) mm valuable desk space saved
- **Faster to first page out and faster print speed than a typical laser at 180mm/second**
- **Greener solution** – less paper wasted due to variable paper length so scaled A4 pages are not used for minimal print, less CO_2 output and power used

(*contact Star for more information on the latest statistics)

AUTOMATIC PAGE SCALING – A4 to A6

The TSP800II 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/second, without the need for additional software and zero warm-up time!

A4 automatic scalable invoice feature is now in use in the UK's largest and fastest-growing budget hotel brand, Whitbread's Premier Inn with over 650 budget hotels

"The TSP800II offers approximately 90% lower running costs than a typical A4 laser printer offering the perfect printing alternative for end of day reporting, hotel invoicing, etc."

RETAIL
- Point-of-Sale Receipting
- End-of-Day Reporting
- Pharmaceutical Prescriptions
- Retail Couponing
- Shelf Edge Labels/Product Labelling
- Gift Certificates

HOSPITALITY
- Hotel Invoicing
- Table Receipting

DELIVERY LOGISTICS
- Delivery Invoicing
- Reports
- Product Labelling – 112mm with auto status

KIOSK
- Remote Printing

TRADITIONAL/mPOS TICKETING
- Event Ticketing
- Lottery Printing

…and so much more.

Customer success: The printer used by hotels all over the world due to its 90% running cost reduction and CO_2 advantages compared to a laser printer – ask Star for more information.

Tablet Connectivity options:

- **Star WebPRNT Printing**
  HE07X "Plug-In" interface option for simple Web printing or Star WebPRNT Browser available from the App Store or Google Play for the ***NEW*** **TSP847IIBI Bluetooth** model

Full specifications on pages 33 & 35 or www.Star-EMEA.com

RECEIPTS

RECORDS
- Data logging
- Measuring equipment

MOBILE PRINTING
- 12 volt applications

LABEL PRINTING
- Sprocket version

GRAPHICS VERSION *(details upon request)*

DP8340 Reseller Tip: Ink Ribbons needed include Red/Black **SF-03BR** (800k Black/400k Red character life) or Black **SF-03B** (800k character life).
Note: two versions using either 4.5"/114.3mm wide (0.09mm thick) sprocket fanfold or roll paper (outside roll diameter 80mm).

DP8340 Series

Unique 114mm wide report, receipt & data printer available for 12V or 24V usage in mobile, rugged or unattended environments

- Reliable 2 lines per second budget entry level printer with tear bar (MCBF 10 million lines)
- Compact receipt/label/data output solution 202 (w) x 200 (d) x 98 (h) mm (w/o paper holder). Weight approx. 1.9kg
- Reliable
- Black and Red printing
- Separate 230V AC power supply with 12V DC output
- In-vehicle power cable & wall mount options available

Versions available:
- **DP8340FD** Serial Friction, Black/Red
- **DP8340FC** Parallel Friction, Black/Red
- **DP8340SD** Serial Sprocket, Black/Red
- **DP8340SC** Parallel Sprocket, Black/Red

TICKETING AND LOTTERY
- Lottery Application
- Event Ticketing

LOGISTICS
- Warehouse Picking

HOSPITALITY
- Kitchen Printing

Customer success: Sold to the Lottery Market worldwide, the TSP1000 printed tickets across the US for the world's largest lottery stake in history in 2012.

Full specifications on page 34 or www.Star-EMEA.com

TSP1000 Series

Versatile Low Cost Thermal Printer with Receipt/Ticket Stacker and 18cm Paper Roll

Low cost and highly reliable, the TSP1000 Series offers high capacity ticket and lottery printing

- High speed output – up to 180mm per second
- "Drop-In & Print", easy paper load
- 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 print outs
- Multiple paper width (45 – 82.5mm adjustable)
- Guillotine cutter
- Variable position, high quality black mark sensor

Interface versions available:
- **TSP1043D** Serial Interface
- **TSP1043C** Parallel Interface
- **TSP1043U** USB Interface
- **TSP1043** No Interface

TSP-L10 Series NEW

High Performance Printer for Secure Transactions including Coupon, Lottery & Ticketing with Internal Verification Scanner Option and 100 Ticket Stacker

Customer success: Star's domination of the world's lottery market for the past two decades has enabled Star to design the world's best lottery printer on the market today.

TICKETING / LOTTERY
- Lottery Applications
- High Sale Ticketing

RETAIL
- High Volume Point-of-Sale
- Customer Loyalty Couponing

WARHOUSE / LOGISTICS
- Product Picking
- Invoicing

The TSP-L10 is the latest Specialist printer to confirm Star's market-leading position within the lottery printer market. Designed for Linux, the specialist features detailed below can all be integrated using an advanced, high security, custom API from Star

- High speed printing performance with high resolution 203 dpi output and 16 shade Greyscale for accurate image printing
- Compact design with easy load 200mm diameter paper roll and ticket stacker for up to 100 printed receipts / tickets
- Internal scanner for real-time ticket verification or complete / partial journal
- High reliability, print head dot check and cutter damage prevention
- Host terminal barcoding for all types of barcode
- Star graphic mode emulation controlled by custom Star API
- Energy Star certified

TSP-L10 low power consumption mode with dual USB and Ethernet interfaces and USB host
TSP-L11 with internal ticket scanner for verification / journaling

Interface versions available:
- **TSP-L10UE** 24V DC Grey USB / Ethernet without internal Ticket Scanner
- **TSP-L11UE** 24V DC Grey USB / Ethernet with internal Ticket Scanner

Reseller & Retailer Tip: The TSP-L10's unique 20cm high capacity paper roll allows for longer unattended ticketing and is ideal for high volume lottery sales.

Full specifications on page 34 or www.Star-EMEA.com

HOSPITALITY
- Hotel Invoicing
- Restaurant Receipting

RETAIL
- Point-of-Sale

PHARMACY
- Prescription Receipting

Customer Success: The SP298 is the fastest slip printer on the market, offering 9-pin quality and unique form Autoside Loading™ for many applications worldwide.

SP298 Series

The World's Fastest Slip Printer with Unique 9-Pin Printing

Compact, robust and reliable, the SP298 Series with its unique Autoside Loading™ is ideal for printing cut sheet media such as pre-printed company branded multi part receipts or forms

- Rugged bi-directional printer capable of graphics using a highly reliable 9-pin print head
- High reliability with helix head drive 9 million lines MCBF
- Up to 3.1 lines per second with bi-directional cheque mode
- Unique Autoside Loading™ making document loading quick, easy and reliable
- Ribbons: RC200B Black, RC200D Laundry
- Power supply: Star PS60 option (24V)
- Copy Capability: Original + two copies
- Paper Width/Length: up to 182mm/80 to 257mm
- Margin Top/Bottom: 5/14mm
  Print Width: 63mm
- Dimensions/Weight: 180 (w) x 190 (d) x 138.5 (h) mm / 2.1kg

Interface versions available:
- **SP298 MD** Serial Version
- **SP298 MC** Parallel Version

RETAIL
- Point-of-Sale
- Coupon Redemption
- Cheque Printing

HOSPITALITY
- Hotel Invoicing
- Restaurant Receipting

TICKETING

Reseller & Retailer Tip: Combining high speed 203 dpi and 9-pin high quality resolution, the HSP7000 completes transactions quickly and efficiently.

HSP7000 – full specifications at www.Star-EMEA.com

HSP7000 Series

High speed, 203 dpi Thermal / Matrix 2 Station Hybrid Printer

Incorporating a high quality thermal printing mechanism, the HSP7000 Series offers high performance print resolution and superior print speed creating the perfect POS printer for printing cheques and receipts

- High speed 250mm/second thermal receipt printer, combined with high speed 9-pin matrix cheque/validation printer
- "Drop-In & Print", easy paper loading
- High resolution 203 dpi output for fast, superior quality logo/barcode receipt output
- Auto status back for paper loading, sensor reporting etc
- Easy-to-use AutoLogo™ feature to independently add logos and coupons to receipts
- Ribbon: RC-7KB Black
- Power supply: Star PS60 option (24V)
- Dimensions/Weight: 186 (w) x 296 (d) x 177 (h) mm / 4.6kg

Models available:
- **HSP7543** Hybrid Combination without MICR (Non-Interface & USB versions)
- **HSP7643** Hybrid Combination with top position MICR (Non-Interface version)
- **HSP7743** Hybrid Combination with bottom position MICR (USB, Serial, Parallel & Non-Interface versions)

Interface options:
Serial HD04, 9-pin Serial HN04, Parallel HC04, USB HU06, LAN HE08 with WiFi Power Pack option

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

SP700 Series

Advanced, High Speed, Red & Black Printing, Clamshell™ Receipt Printer

One of the few matrix printers on the market to offer high speed 2 colour receipt printing

- High speed, 9-pin quality matrix printer – up to 8.9 lps
- 76mm default paper width
- "Drop-In & Print", easy paper and ribbon loading
- Splash resistant design with easy-clean curves for robust kitchen/bar use
- Internal power supply with universal cable included at purchase
- Graphic Management/Logo Store Driver Tools
- Star platform agnostic WebPRNT "Plug-in" interface option available (see page 14)
- Wall mount/desk boot option available
- Dimensions: 160 (w) x 245 (d) x 152 (h) mm

Models available:
- **SP712** Tear Bar Printer
- **SP742** Autocutter Printer
- **SP712R/742R** Rewind versions

NEW **SP742BI Bluetooth** grey version now available with unique Auto Connect facility and Star WebPRNT browser App from GooglePlay or App Store

Interface versions available:
Serial HD04, 9-Pin Serial HN04, Parallel HC04, USB HU06, LAN with optional WiFi Power Pack HE08, WebPRNT HE08X

SP500 Series

Offering a Unique Unbeatable Price/Performance Ratio

- High performance, logic seeking, 9-pin quality matrix printer – up to 7.5 lps
- "Drop-In & Insert" paper loading
- Adjustable 58 or 76mm paper widths
- 6 position black mark sensor for fixed length tickets
- Ergonomic design including hygienic spill-proof design and cable power switch covers
- Space saving vertical or horizontal operation
- Compact footprint with internal power supply and vertical operation
- Compatible ribbons: RC200B – Black
- Options: Paper roll holder for wall mount
- Dimensions: 140 (w) x 225 (d) x 163 (h) mm

Models available:
- **SP512** Tear Bar Version
- **SP542** Autocutter Version
- **UP542** Kiosk Version

Fixed Interface versions available:
Serial/Parallel

Options available for Non-Interface SP500:
Serial HD04, 9-pin Serial HN04, Parallel HC04, USB HU06, LAN with optional WiFi Power Pack HE08

Reseller & Retailer Tip:
The SP500 and SP700 Series require the following ribbons:

SP500 Options:
- **RC200B** Black Ribbon
- **RC200D** Laundry Ribbon

SP700 Options:
- **RC700B** Black Ribbon
- **RC700D** Laundry Ribbon
- **RC700BR** Red & Black Coloured Ribbon

RETAIL
- Point-of-Sale Receipting

HOSPITALITY
- Hotel Invoicing
- Restaurant Receipting

Full specifications on page 33 or www.Star-EMEA.com

Mobile Printers

mPOS – designed to create the ultimate flexible checkout experience

From retail transactions to event management and logistics, our mobile printers are fulfilling receipting, ticketing and report applications for customers worldwide from Police speeding tickets in South Africa and the US to train tickets in Egypt and Italy. Star's range of cost-effective wireless mobile printers offer both Bluetooth SPP as well as MFi connectivity and are designed to work with Tablets and Smartphones in a range of mPOS and Mobile Payment applications.

Star MFi – Made for iPad®, iPhone® & iPod Touch®

As a registered Apple iOS and Android developer, Star has developed a range of dedicated MFi (made for iPad®, iPhone® & iPod Touch® – full explanation of MFi on back page) Bluetooth printers. Star offers comprehensive Software Development Kits (SDKs) to allow the simple set-up of Star Mobile Printers with all major platforms including: Apple iOS™, Android™, Windows™ and Linux™.

Star Success

Star WiFi / Apple iOS / Android Mobile Printers

- MFi Certified – pairs with iPad®, iPhone® and iPod Touch® as well as Bluetooth devices using SPP with Wired Serial Connection / RS-232
- Compatible with major operating systems including Apple iOS™, Android™, Windows™, Linux™ handheld devices supporting SPP / RS-232
- Bluetooth (2.1: MFi Certified for iOS / SPP) and wired Serial connections

SM-T300DW

Rugged, 3" (80mm) mobile printer with Wireless compatibility

- High resolution 203 dpi and 75mm/second print speed
- Ultra rugged with IP54 dust / splash proof certification
- 1.5m drop reliability
- Maximum 11 hour battery life, printing at 5 minute intervals
- SM-T301DW with 1&2 track magnetic stripe reader version

	SM-L200	SM-S220i SM-S230i	SM-T300i SM-T400i	SM-T301DW
Included at purchase	• Battery • Belt clip • Paper sample roll • USB cable for charging	• Battery • Belt clip • Paper sample roll • Power supply • SM-S220i: Serial cable SM-S230i: USB communication cable	• Battery • Belt clip • Paper sample roll • Power supply • Serial cable	• Battery • Belt clip • Paper sample roll • Power supply • Serial cable
Options available:	• Desk dock charger • Extra battery pack	• 4 unit battery charger • Single battery charger • Extra battery pack • Vehicle charger	• 4 unit battery charger • Shoulder strap • Single battery charger • Extra battery pack • Vehicle charger	• 4 unit battery charger • Shoulder strap • Single battery charger • Extra battery pack • Vehicle charger
***NEW* Mobile WebPRNT**	**Star WebPRNT Browser for direct printing from a web page using Star technology.** Download from GooglePlay / App Store or see page 14.			

SM-L200 with Label Facility

Bluetooth Smart, Low Cost 58mm BT/BLE Mobile Receipt & Label Printer

- High resolution 203 dpi and 35mm/second print speed
- Super compact design just 122 x 83 x 44mm & weighing 220g with the battery
- LCD display and 13 hour battery life
- Simple, no pin required auto pairing with Bluetooth 4.0 devices including Apple iOS, Android, Linux & Windows
- Desk Dock option

4.0 Bluetooth

SM-S230i

Bluetooth Super compact 58mm Mobile Receipt Printer with Auto Reconnect

- High resolution 203 dpi and 80mm/second print speed
- Super compact & durable design – just 114 x 80 x 44mm & weighing 217g (inc. battery) with 1.5m drop test
- Auto detect pairing with Apple iOS (MFi certified), Android, Linux & Windows devices
- Multiple LED status display for easy use
- Maximum 13 hour battery life printing at 5 minute intervals

SM-S220i

2" (58mm) iOS and Android Bluetooth MFi Mobile Printer with Auto Reconnect

- MFi Certified – pairs with iPad®, iPhone® and iPod Touch® as well as Bluetooth devices using SPP with Wired Serial Connection/RS-232
- High resolution 203 dpi and 80mm/second print speed
- Dual Serial Ports providing RS-232 pass through function for possible connection of Pin-Pad, NFC encoder/decoder, etc as required
- LCD display and convenient automatic sleep mode for extended battery life
- Maximum 8 hour battery life, printing at 5 minute intervals

SM-T300i

Rugged, 3" (80mm) iOS & Android Bluetooth MFi Printer with Auto Reconnect

- MFi Certified – pairs with iPad®, iPhone® and iPod Touch® as well as Bluetooth devices using SPP with Wired Serial Connection/RS-232
- High resolution 203 dpi and 75mm/second print speed
- Rubberised design with IP54 dust/splash proof certificate
- 1.5m drop reliability
- Maximum 13 hour battery life, printing at 5 minute intervals
- SM-T301i with 1&2 track magnetic stripe reader version

SM-T400i with Label Facility

Durable, 4" (112mm) iOS & Android Bluetooth MFi Mobile Printer with Auto Reconnect

- MFi Certified – pairs with iPad®, iPhone® and iPod Touch® as well as Bluetooth devices using SPP with Wired Serial Connection/RS-232
- High resolution 203 dpi and 80mm/second print speed
- Rugged design with IP54 dust/splash proof certificate
- 1.5m drop reliability
- Maximum 24 hour battery life printing at 5 minute intervals
- SM-T404i with 1,2&3 track magnetic stripe reader version

Reseller Tip:
Star offers a number of demo apps on iTunes and Google Play which provide instant Star mobile printer functionality. See page 4 to find out more.

HOSPITALITY
- Event Ticketing
- Table Receipting

LOGISTICS
- Delivery Confirmation
- Reporting
- Vehicle Invoicing

RETAIL
- Point-of-Sale Receipting
- Stock Checker
- Retail Couponing

NEW

Star WebPRNT Browser for Star Bluetooth Mobile

Simplifying direct printing from the Web to Star's huge range of low cost ticket/label/kitchen/mobile Bluetooth printers as well as supporting all relevant web technologies. Full screen user interface mode available for OEM/kiosk use. Download from GooglePlay or the App Store.

WebPRNT SDKs including a demonstration page are available from Star's global support site **www.starmicronics.com/support**

ANDROID APP ON Google Play

Download on the App Store

Full specifications on page 32 or www.Star-EMEA.com

POS Peripherals

SCD122

The **SCD122** comes with all the support choices in the box, which includes a stand alone base and telescopic pole. There's also a CD-ROM containing the drivers, manuals and utilities.

SCD122 USB Powered Display

Fast easy-to-read 2 lines x 20 character display from ESC/POS™, and OPOS™ support.

- Supplied with a choice of support including stand alone base and telescopic pole
- High speed data transfer using USB 2.0 interface
- Clear, fast easy-to-read with wide viewing angle
- ESC/POS™ emulation (dip switch selectable)
- Cyrillic character support (multiple code pages)

SCD400 Customer Display

For use with POS and ECR Systems. The Star SCD400 Display uses the same serial interface as the Star POS printer.

- Reliable and versatile 2 lines x 20 character customer display
- Large, clear, easy-to-read characters
- Wide viewing angle
- Single interface for display and printer
- New Charcoal Grey and Star White versions available

SCD400

SCD122 & SCD400 Customer Display Specifications

	SCD122	SCD400
Display Method	Vacuum fluorescent display	
Display Colour	Blue-Green	
No. of Characters	40 (20 columns x 2 lines)	
Character Font	5 x 7 dot matrix	
Character size (h x w)	5.00 x 3.5mm	9 x 5.25mm
Brightness	min. 350 cd/m²	
Tilt angle	max 30° / Rotation 300°	max 30° / Rotation 360°
Power Consumption	max. 500mA @ 5V (2.5W) USB powered	max. 400mA @ 12V (4.8W)
Interface	USB 2.0	Serial RS232 C
Emulation: ESC/POS™ compatible	ESC/POS™ DMD110 via dip switch	not available
Star Mode	Standard	Standard

	SCD122	SCD400
Operating Conditions: Temperature Humidity	 5 ~ 45°C 10% ~ 90% RH	 5 ~ 45°C 10% ~ 85% RH
Storage Conditions: Temperature Humidity	 –20 ~ 60°C 10% ~ 90% RH	 –20 ~ 60°C 10% ~ 90% RH
Dimensions (w x d x h): Display Unit Stand alone height Stand alone base Telescopic Pole height Pole Base	 175 x 53 x 72mm 142 / 272 / 387 / 517mm 175 x 110 x 61mm 124 / 254 / 369 / 499mm 40mm height 80mm diameter	 231 x 45 x 110mm not available not available 380 ~ 550mm 12mm height 80mm diameter
Weight	1.4kg packaged with base & supports	approx 850g
Colour	Both available in Charcoal grey and Star white	

NEW **CB-2002 FN Ultra White version now available**

DK-AirCash
Star's unique accessory that mobilises any Cash Drawer.

NEW **mPOP Combined Bluetooth Printer & Cash Drawer**

See page 6 & 7 for details.

CB-2002 Cash Drawer for PC Point-of-Sale

Star's Series of cash drawers have been specifically designed to link with Star and other industry standard POS printers. These range from the basic entry level model to the larger version aimed at markets with more note sizes.

- Driven from the peripheral drive circuit of a Star or Epson POS printer
- Both versions include a compulsion switch
- 3 position key lock

CB-2002 UN – cash drawer with 8 upright note and 8 coin slots in Charcoal Grey and Star White with optional lockable cover – DK-AirCash wireless mobile option available

CB-2002 FN – cash drawer with 4 flat note clips and 8 coin slots in ECO Black, Charcoal Grey, Star White and ***NEW*** **Ultra White** with optional lockable cover – DK-AirCash wireless mobile option available.
410 (w) x 415 (d) x 114 (h) mm / 7kg

CB-2002 options

CB-2002 Specifications

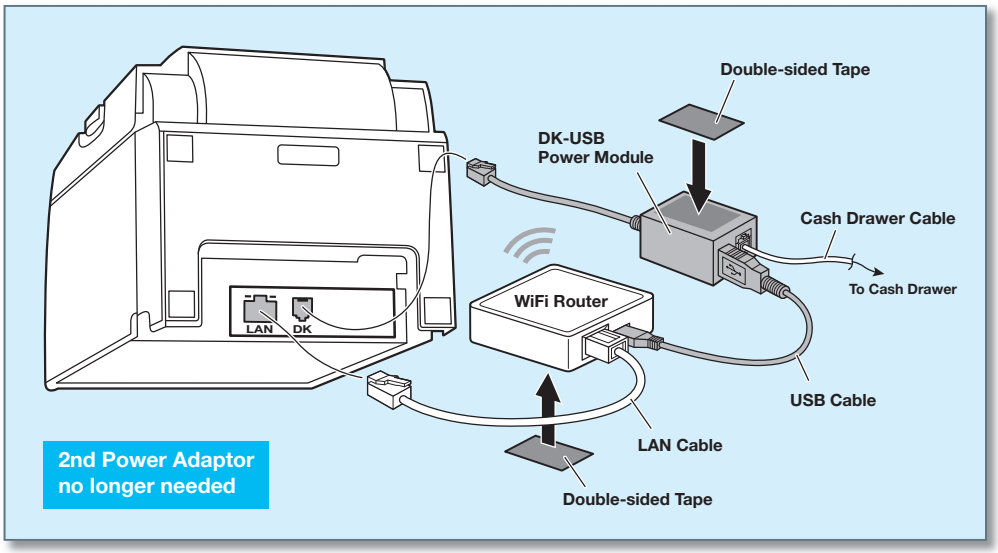
Connection to Peripheral Drive Circuit of Star Printer	Via 6-pin Modular plug connected to cash drawer by shielded cable with separated ground wire
Cash Tray Combination	as above with Cheque Slot
Dimensions	410 (w) x 415 (d) x 114 (h) mm
Weight	7kg
Input Voltage & Current	DC 24 Volt, 1 amp
Pulse Time	100m.s (max), 30m.s (min)
Colour CB-2002 UN: CB-2002 FN:	Star white or dark charcoal grey ECO black, charcoal grey, Star white or ***NEW*** Ultra White
Drawer Release	3 position key lock with Drawer Release
Options available	• Under desk "Z" brackets • Lockable cover • Note Holder Bracket and Note Divider

mPOS Peripherals

Star WiFi Power Pack

Providing simple WiFi printing directly from Smartphones, Tablets, PCs or any other mobile device to any Star LAN Printer.

- Designed to provide USB power for external 3rd party dongles minimising the number of external cables and power sockets required
- Available on Star's full range of LAN and WebPRNT printers, from the lowest cost TSP143LAN to traditional TSP654II, TSP700II, TSP800II, SP700 Series and any other model with a DK connector



The Star WiFi Power Pack includes:

- **150 Mbps TP-Link Wireless N Nano Router** – supporting AP (default), Client, Router, Repeater and Bridge modes
- **DK-USB printer link** – powers the TP-Link connecting to the Cash Drawer DK connector with "pass-through" capability for full cash drawer functionality including status

NEW

TP-LINK
Wireless N
Nano Router

DK-USB – can also be purchased separately to "power" additional 3rd party dongles including 3G or alternative WiFi devices and can also be used to power/charge other USB devices including tablets.

NEW *Make your cash drawer cable free!*

DK-AirCash

Low cost, Cash Drawer Accessory enabling mobile POS users to open the cash drawer of their choice with a standard RJ-11 printer connection via their mobile device in a variety of environments.

- Support for all traditional operating platforms including OPOS, Java-POS, Windows™, Android™, iOS™ and many more
- Neat, compact design (154 (w) x 75 (d) x 28 (h) mm)
- Retro-fit to existing installed cash drawers
- Drawer Open Status retrievable by host
- Easy-to-Access Dip Switches for LAN/Bluetooth selection
- Auto Connect facility reconnecting to last device after power on or out of range situation

▶ **No Printer required to open cash drawer!**

Versions available:

DK-AirCash SAC10E Ethernet – Ethernet supported cash drawers can be fired by WiFi mobile devices communicating directly with mobile printers and opening the cash drawer via the store's network.

DK-AirCash SAC10EB Apple MFi/Android Bluetooth & Ethernet – allows devices to communicate directly with both the mobile receipt printer and cash drawer independently.

DK-AirCash SAC10EW WiFi & Ethernet – for direct communication with the cash drawer over IP without the need for a wired connection.

Windows iOS Made for iPod iPhone iPad Mac Linux OPOS JAVAPOS™ ESC/POS™

AsuraCPRNT NEW

The World's First Interactive Communication System

As one of the world's largest manufacturers of POS and kiosk printing solutions, we have combined our two areas of expertise to create the ultimate user engagement tool – the AsuraCPRNT™. This unique "All-in-One" POS communication platform with integrated printer is so much more than a "mini" kiosk.

The latest communication technologies combined with a powerful CPU processor have resulted in a powerful solution which can work independently as a thin client server, mini kiosk or even POS/Information terminal depending on the software and options added. Or, it can be implemented into almost any infrastructure for customer/user engagement with the added advantage of flexible location from shelf edge, wall, counter top or even pole mounted.

AIRLINES

BANKING

GOVERNMENT & SCHOOLS
- Internal Card payment Systems for Canteens, etc.
- Queue Management
- Payment Terminals

HEALTH

HOSPITALITY
- Kitchen Printing
- QSR Order Building
- Loyalty Programmes
- Valet Parking Management
- Queue Management

...and so much more.

HOTELS
- Virtual Receptionist
- Information Terminal
- Digital Signage
- Loyalty Programmmes

MARKET RESEARCH

RETAIL
- Pharmacy Prescriptions
- Gift Vouchers
- Point-of-Sale Receipting
- Stock and Price Checker
- Retail Couponing
- Queue Management
- Market Research Tool

...and so much more.

TOURISM
- Cloud based Tours/Excursion Bookings can be promoted and sold etc.

Customize your AsuraCPRNT
We know how important branding is in an ever-competitive market. In order to increase brand awareness for retailers and restaurateurs, cover skins can be produced for the AsuraCPRNT featuring logos or campaign graphics to create eye-catching POS, kiosk or self-service unit.

"All-in-One" and just 38cm high!

- Stylish and compact at only 180 (w) x 162 (d) x 380 (h) mm, providing design set-up flexibility
- Intuitive 7" touch screen offering media rich graphics and sound with audio line out and MIC input, accompanied with programmable full colour LED lights
- Optional individual and combined encrypted Magnetic Stripe Reader & 2D/QR/Barcode scanners with NFC option to follow
- Powerful CPU processor to run feature-rich software and applications
- Linux™ and Android™ SDKs available supporting Qt, Java, C++ etc.
- Immediate ability to run traditional Windows/Linux desktop POS solutions using the Asura's remote desktop protocol/thin client capabilities
- High connectivity with other technologies such as biometric scanners, NFC readers, cameras and much more using the 4 USB-host ports. 3G connectivity & WiFi option also available
- 300mm/second high speed printer capable of printing 203 dpi print resolution coupons, receipts and documents at point of interaction with grey scale capability

The potential uses for the AsuraCPRNT are only really limited to your imagination! Compact, user-friendly and feature-rich, it's the perfect User Engagement solution for all industries. Large brands and small independents the world over are using the AsuraCPRNT for the widest range of applications from virtual receptionists to loyalty programmes; queue management in retail, hospitality, government and healthcare to an endless number of customer engagement applications.

The New "All-in-One"

Unmatched by any rivals, the AsuraCPRNT delivers audio-visual content; prints high quality messages; features LAN, Bluetooth, WiFi, 3G connectivity with documented SDKs for Linux and Android development and offers multiple levels of usability and functionality. This 38cm device can be expanded to fit your requirements from VESA mounted tablets on the back of the AsuraCPRNT to all the options mentioned below.

Options to fit your requirements

The AsuraCPRNT can be completely customised with a host of options including integrated MSR, 2D and QR Barcode scanners and NFC reader. It can also be optimised to support the connection of external peripherals using the 4 on-board USB- Host ports – from a biometric scanner to WiFi or 3G options. In a busy retail environment, the AsuraCPRNT's barcode reader allows staff and customers alike to check the latest product prices or stock levels; scan QR codes & coupons from mobile phones using the reflective dampening LCD mode whilst running other applications in the background such as videos on external screens. Other options directly from Star include WiFi as well as self standing Pole Mounts for one or two AsuraCPRNTs. The secure Base Stand which fixes the unit to the counter/desktop is supplied with the AsuraCPRNT in the box.

Development with the AsuraCPRNT

Star's development Tools for the AsuraCPRNT have been made as open as possible so that developers are able to work with the tools and technologies that they already know. Android and Linux SDKs are available – just request a log-in from **support@Star-EMEA.com**. The Remote Desktop Protocol can be used for instant access to an existing Windows, Linux or MAC application.

HTML5 using new Secure AsuraBrowser

Modern, HTML5 standards compatible WebKit based browser with full support for the latest features, including audio, local storage & databases, CSS3, canvas, SSL. etc. Fully compatible with all common JavaScript toolkits, e.g. jQuery enabling rich, full featured user interfaces & animations.

- Built-in JavaScript API provides direct access to the hardware
- Built-in customer facing web browser with a secure, full-screen experience/no user navigation controls or any way to access the underlying OS. Off Line Storage (allowing for off line trading) is another of the browser's features

POS line display solution (included with Asura OS 1.7) NEW

Enabling external applications to use the Asura as a complete POS peripheral station with customer display, printer, BCR & MSR. Ideal for mobile applications. The Asura hosted customer display provides features that are not possible using traditional POS display poles:

- Full colour control of text and the display background with Font Scaling
- Graphic image support using JPEG/PNG images loaded from a local file or network via a URL
- Video support which can be played/positioned on the display by command. Video files can be streamed from a local file, or network via a URL
- Customer Interaction with touch screen enabled customer response and feedback perfect for point of sale surveys etc.

More information can be found at **www.Star-EMEA.com/AsuraCPRNT** or **www.AsuraCPRNT.com**

star webPRNT

See page 14 for details

Full specifications on page 32 or www.Star-EMEA.com

Sanei SK1 Series

"Star Micronics is very happy to introduce Sanei's entry-level, compact, open frame printers which complete the Star range to include printing solutions for limited space enclosures."

RETAIL
- Vending Machines
- Cash Machines
- Product Locations

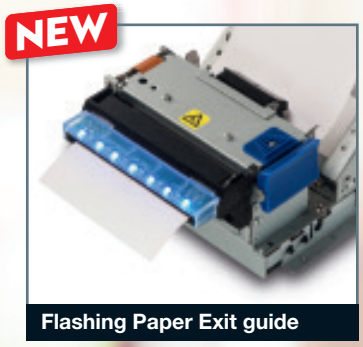
HOSPITALITY
- Hotel Check-in
- Event Ticketing

TICKETING
- Car Parks

WAREHOUSE / LOGISTICS
- Product Picking
- Logistics

Entry-level, Super-Compact, Open Frame Printers

Star Micronics is now stocking Sanei's wide range of 1D and 2D barcode, ticket, receipt and label compact kiosk mechanisms which complete the Star range with printing solutions for limited space enclosures.



Flashing Paper Exit guide

Models available:

SK1-21 / 22 Series
- **SK1-21A** – Printer only
- **SK1-21A-LP** – Printer with presenter
- **SK1-22** – Clamshell style
  - 200mm/second print speed
  - 58 / 60mm paper width model
  - Mechanism dimensions / Weight: 104 (w) x 129.2 (d) x 73.6 (h) mm / 525g

SK1-31 / 32 Series
- **SK1-31A** – Printer only
- **SK1-31A-LP** – Printer with presenter
- **SK1-32** – Clamshell style
  - "Drop-In & Print" version
  - 200mm/second print speed
  - 54 / 56 / 72 / 80mm model
  - Mechanism dimensions / Weight: 128 (w) x 174.5 (d) x 74.2 (h) mm / 730g

SK1-41 Series
- **SK1-41A-L** – Printer only with Label support
- **SK1-41A-LP** – Printer with presenter
  - 150mm/second print speed
  - 80 / 83 / 112mm paper width
  - Mechanism dimensions / Weight: 160.9 (w) x 143.1 (d) x 76.3 (h) mm / 885g

Options:

BZ-SK-2: Bezel / Snout SK1-21 Series
BZ-SK-1: Bezel / Snout SK1-31 Series
PS60: PSU for SK1-21 / SK1-31 / SK1-32
CB-SK1-D3: Power Cable required for PS60
SA1-3A240: PSU for SK1-41 Series (power lead not supplied)
PR-SK1: Presenter for SK1-21 & SK1-31
HL02: Paper Extension Arm SK1-21, SK1-31
HL03: Paper Extension Arm SK1-41

- Low profile and ultra lightweight, designed for a wide variety of kiosk systems
- Fast, high quality 203 dpi output at print speeds up to 200mm/second (2" & 3" models) 150mm/second (4" model) with 2D barcode capability
- Versatile operating environment (-20 to +60 degrees)
- Up to 120mm paper roll (outside diameter) as standard with 254mm large paper roll option. SK1-32: 83mm OD Roll only. 12mm core standard with 25.4mm also available on L models with paper thickness from 0.060 to 0.15mm on SK1-21 & SK1-31 models. Up to 0.12mm on SK1-41 models.
- Dual interface USB and serial fixed interfaces as standard
- Auto load and manual "flip top" paper loading with retract / document capture feature and spring loaded paper roll holders to allow the kiosk builder to consider the simpler choice of operating access
- Sanei drivers are not as extensive as Star's range of drivers, so please check the range of drivers available directly from **Support@Star-EMEA.com** Please note these drivers are not listed on the Star Global Support website **www.StarMicronics.com/support**

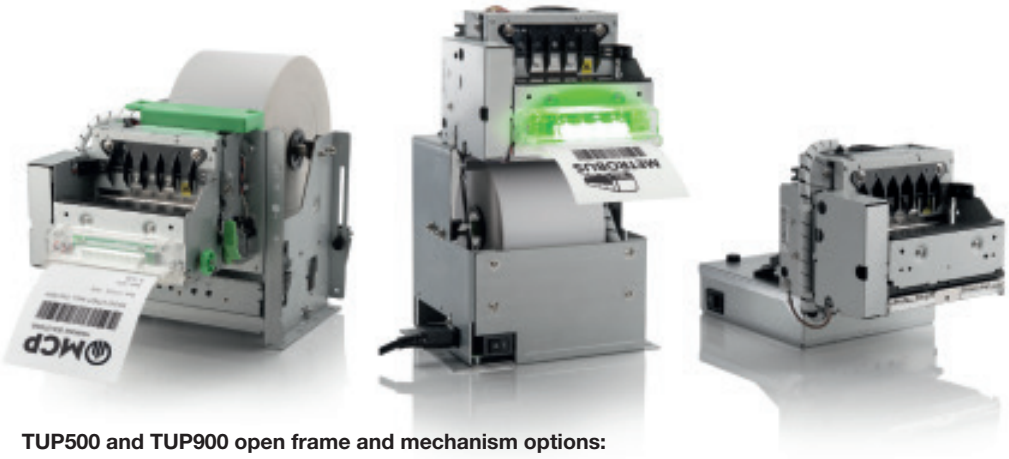
Full specifications on page 34 or www.Star-EMEA.com

TUP500 Series

High Speed 220mm/second Kiosk Printing Solution available in Modular or Open Frame Formats

- High speeds of up to 220mm/second (with standard 15cm paper roll) and a default speed of 180mm/second using the optional 25cm paper roll holder
- Adjustable 45 – 82.5mm paper width functionality with self centring width adjuster
- Barcodes, receipts, tickets, labels (TUP542) etc, all printed on media from 0.065mm to 0.15mm thick for different applications

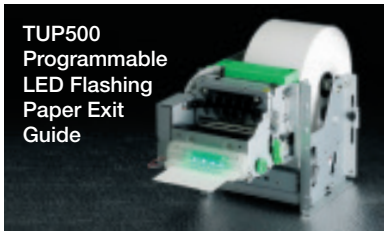
Interface options:
USB HU05, LAN HE07



TUP500 and TUP900 open frame and mechanism options:

- Paper exit guide/snout with flashing LEDs
- 25cm paper roll holder (15cm standard). Max. capacity 18cm when mounted below printer
- PS60 Power Supply
- Large roll Damper Unit
- All models supplied without interface with optional USB, Ethernet with "print on disconnection" feature (TUP500 only), alongside traditional interface options

"High speed and cost effective, the TUP500 is ideal as a fast, reliable receipt or ticket printer for kiosk environments."



Reseller & Retailer Tip: Our technical team are some of the most experienced in the business. Feel free to talk to them about your project and see if we can meet your individual customer requirements.

TUP900 Series

80-112mm Wide (A4 Replacement) Open Frame / Modular Kiosk Printing Solution

- 150mm/second high quality thermal barcode, label, receipt, ticket and A4 kiosk printing solution for 80 – 112mm formats up to 0.15mm thick
- A4 to A6 automatic scalable raster driver for reduced, cost-saving A4 to Internet output on 112mm wide paper
- Easy paper loading and multi-position adjustable near end paper sensor with 80cm of cable for use with the high capacity paper roll supply option
- Adjustable horizontal or vertical mounted control panel with extended cable lengths for integration flexibility
- Easy-load – simply lift and tilt the mechanism forward and insert the paper for automatic paper loading

Interface options:
Serial HD04, Parallel HC04, USB HU06

"Offering cost efficient thermal printing, the TUP900 is designed especially for kiosk or unattended printing applications producing fast and reliable wide format tickets and receipts."

Models available:

- **TUP592 & TUP992**
  Open frame with moveable control panel and paper near end sensors via extended cables
- **TUP542 & TUP942**
  Non presenter version for labels
- **TUP500DP**
  Chassis option provides a more compact printer taking up to 25% less space with 10cm diameter paper roll
- **TUP500DP Mini**
  Compact printer with external paper handling

Full specifications on page 34 or www.Star-EMEA.com

We're Here To Help Every Step Of The Way

Recognised throughout the industry for its technical knowledge, Star's highly-advanced printers are designed in-house from the chassis up with software from the first "bit'. Star's DNA is imprinted from its printing solution to its technical support.

Our technical team covers Europe, Middle East and Africa and offers over 50 man years of multi-system integration experience. For Star technical support from pre-sales to print system integration, print drivers & SDKs (Software Development Kits) expertise and so much more – contact **Support@Star-EMEA.com**

Windows iOS Mac Made for iPod iPhone iPad Linux OPOS JavaPOS ESC/POS

Star Drivers

Star offers extensive free-to-download drivers from **www.StarMicronics.com/Support**
See our connectivity page opposite to find out more about our printer compatibility.

StarIO & SDKs

Star's outstanding Software Development Support is unrivalled and is the key reason why Star printers have been integrated into such a wide variety of POS Software solutions worldwide.

Star's multi-product API forms part of Star's iOS™, Android™, Windows™ and Linux™ based SDKs which are vital and valued by Software Houses all over the world wanting to take advantage of Star's feature-rich range of products. Each StarIO based SDK package has extensively documented source code and informative explanation manuals.

A demo package is also included to demonstrate how to implement advanced functionality and customise print outs. This, together with the backup of Star's experienced support team, allows simpler integration of platform-specific applications with Star products.

Traditional Resident POS Software			
POS Software			
Star Page Mode Port Discovery JavaPOS **Star SDK** Star Line Star Mobile Star Raster Mode			
StarIO			
TSP100	Bluetooth	SM-T301	TSP-L10

Web based POS Software	
star webPRNT HTML 5	
Hardware Solution Plug-in interface HE07X AsuraCPRNT	Star WebPRNT Browser *Available from* ANDROID APP ON Google Play Download on the App Store
HE07X / X8	Star WebPRNT Browser All Star Desk/Counter & Bluetooth Models Star Thermal Printers with USB/LAN interfaces
TSP654II TSP700II TSP800II SP700 FVP10	Mobile SM-L200 SM-S220i/230i SM-T300i/DW/400i All Bluetooth Models Star Thermal Printers with USB/LAN interfaces

Star Mobile SDKs including Proximity Printing

Star offers helpful SDK applications on Google Play and App Store that enable a variety of customisable samples and functionalities including the ability to change the Bluetooth device name for easy pairing, along with proximity based printing and cash drawer support, for increased mPOS security.

ANDROID APP ON Google Play

Download on the App Store

Name	Description	Stores
StarIO SDK	Enabling users to test a wide variety of functionality within customisable samples for Star Cash Drawers, Desktop and Mobile Printers	App Store Google Play

Star Connectivity at all levels

	COMMUNICATION		INTEGRATION	
	Bluetooth	**WiFi**	**HTML / XML**	**SDK**
		star WiFi Power Pack	star webPRNT *Connecting your Star Printers to the Web!*	
	Exchanging data over short distances, Bluetooth offers high levels of security and reliable connectivity for most modern laptops and tablets with in-built support. Star offers Bluetooth enabled printing capabilities for both desktop and mobile including TSP654IIBI, TSP743IIBI, TSP847IIBI, FVP10BI, SP742BI, SM-S220i, SM-S230i, SM-L200, SM-T300i & SM-T400i. Star can also power 3rd party dongles using our unique DK-USB connected to serial interfaces.	Why settle for an overpriced proprietary solution when you could use Star's NEW & UNIQUE external power module to combine with a wide range of specialist OEM wireless modules. The Star WiFi Power Pack provides greater connectivity and flexibility at a lower price, supporting 5 modes – AP, Router, Client, Bridge & Repeater. The module is a very compact, low cost package which fits neatly on or even inside certain Star LAN printers.	New low cost networking solution, Star WebPRNT removes the issues usually associated with web-based printing by offering driverless printing capabilities for all receipt data, utilising HTML and JavaScript standards to provide consistent browser printing. Star WebPRNT does not need a local server, and isn't PC dependent.	Star SDKs are available to programmers at no cost, supporting major operating systems and popular programming languages. The Star SDK packages include sample code and documentation and provide a valuable tool for developers to reduce development time and cost.
Key Advantages	• Uses standard serial profile or MFi for Apple iOS devices • 10-100m connectivity range – providing cable replacement for secure wireless transmissions • Improved legacy support • Easy to upgrade external 3rd party dongles **PLATFORM INDEPENDENT STAR WebPRNT BROWSER** Download from the App Store and Google Play star webPRNT	• Flexibility to choose multiple modes of WiFi networking communication • Compact, low cost packages providing flexibility to update when needed or as wireless standards change • Powered from printer • Mounting options • Supported on all Star traditional printers, old or new NEW TSP143III WLAN Wireless Solution	**PLATFORM INDEPENDENT HARDWARE SOLUTION** Designed as a solution to cloud / web based printing issues for TSP654II, TSP700II, TSP800II, SP700 & FVP10 (with chassis mount) • Simple Installation • BYOD (Bring Your Own Device) with zero software installation • Print consistent receipts from any web browser **PLATFORM INDEPENDENT STAR WebPRNT BROWSER** Download from the App Store and Google Play	• SDK packages include sample code and documentation to reduce development time and costs • Supporting all major operating systems and programming languages • Free downloadable software from the Star Global Support site • Dedicated Star Technical support team, including extensive practice application developer advice
What are the costs?	**Price of Star Bluetooth enabled printer or DK-USB + external bluetooth adaptor**	**Cost of printer + External WiFi Ethernet / USB or Bluetooth Serial dongle + power adaptor or simply use the Star WiFi Power Pack**	**Cost of printer + WebPRNT interface or Star WebPRNT Browser**	**Free downloadable SDKs from Star Global Support site: www.starmicronics.com/support, or ask Star technical team: Support@Star-EMEA.com**

		Bluetooth		WiFi			WebPRNT		Star SDKs				
	Wireless Connectivity	**SPP***	**MFi**	**External Bluetooth Adaptor with Star DK-USB**	**Star WiFi Power Pack External WiFi Ethernet / LAN Kit with Star "Power" DK-USB**	**3rd Party External WiFi USB Kit for USB only Star Printers**	**HARDWARE PLUG-IN INTERFACE HE07/08**	**STAR WebPRNT BROWSER**	**Android**	**LINUX**	**Windows**	**iOS**	**Mac**
Packaged Thermal Printers / future PRNT	TSP100U / ECO / GT / USB					✓		✓	✓	✓	✓		
Packaged Thermal Printers / future PRNT	TSP143III WLAN			WLAN cable-free interface with easy WPS set up					✓	✓	✓	✓	
Packaged Thermal Printers / future PRNT	TSP100LAN				✓				✓	✓	✓	✓	
Conventional Printers	mPOP	✓	✓					✓	✓	✓	✓	✓	
Conventional Printers / Packaged Kiosk Printers	TSP654IIBI	✓	✓					✓	✓	✓	✓	✓	✓
Conventional Printers / Packaged Kiosk Printers	TSP654IILAN / TSP654IIUSB	TSP654IIBI	TSP654IIBI		✓	✓	HE07X	✓	✓	✓	✓	✓ LAN	✓
Conventional Printers / Packaged Kiosk Printers	TSP700II TSP800II	TSP743IIBI TSP847IIBI	TSP743IIBI TSP847IIBI	✓	✓	✓	HE07X	✓	✓	✓	✓	✓	✓
Conventional Printers / Packaged Kiosk Printers	FVP10	FVP10BI	FVP10BI	✓	✓	✓	BE07X	✓	✓	✓	✓	✓	✓
Conventional Printers	TSP1000			✓	✓	✓				✓	✓		✓
Conventional Printers	TSP-L10				✓					✓			
Open Frame	TUP500 + DP / MINI			✓ DK-USB not supported	✓ DK-USB not supported			✓	✓	✓	✓	✓	✓
Open Frame	TUP900			✓ DK-USB not supported		✓		✓	✓	✓	✓		✓
Direct Line Thermal Mobile Printers	SM-T300DW				In-built WiFi	In-built WiFi		✓	✓		✓	✓	
Direct Line Thermal Mobile Printers	SM-S220i / SM-S230i SM-T300i / SM-T400i	✓	✓					✓	✓		✓	✓	
Direct Line Thermal Mobile Printers	SM-L200	Bluetooth 2.1 & BLE						✓	✓	✓	✓	✓	
Matrix Printers	SP298 / 500			✓							✓		
Matrix Printers	SP700	SP742IIBI	SP742IIBI	✓	✓	✓	HE08X			✓	✓		✓
Matrix Printers	HSP7000			✓	✓	✓	Pending			✓	✓		✓
All-in-One	AsuraCPRNT				✓	✓	Standard		✓	✓	Thin Client Basis		
	ProxiPRNT	**Proximity location based printing and Secure Cash Management for mPOS** – see page 5											

*SPP = Serial Port Profile – industry cable replacement profile

Mobile / mPOS (Wireless & Bluetooth)

STAR PRINTER SERIES	SM-L200	SM-S220i	SM-S230i	SM-T300DW	SM-T300i	SM-T400i	AsuraCPRNT *"All-in-One"*
	Label Support					Label Support	
	Pages 22-23	Pages 22-23	Pages 22-23	Pages 22-23	Pages 22-23	Pages 22-23	Pages 30-31
	Direct Thermal Mobile						Direct Thermal
Description	Compact, Bluetooth / BLE Mobile Printer for Apple iOS, Android, Linux & Windows	Compact, 2" (58mm), Apple iOS™ & Android™ Bluetooth Mobile Printer	Compact, 2" (58mm), Apple iOS™ & Android™ Bluetooth Mobile Printer	Rugged, 3" (80mm) Mobile Printer with WiFi compatibility SM-T300DW without MSR SM-T301DW with MSR (Track 1&2)	Rugged, 3" (80mm) Apple iOS & Android Compatible Bluetooth Mobile Printer SM-T300i without MSR SM-T301i with MSR (Track 1&2)	Durable, 4" (112mm) Apple iOS & Android Compatible Bluetooth Mobile Printer SM-T400i without MSR SM-T404i with MSR (Track 1&2)	*NEW* 38cm high "All-in-One" User Engagement Tool with Display, Fast Processor & Direct Thermal Printer
Max. Print Speed	35mm/sec.	80mm/sec.	80mm/sec.	75mm/sec.	75mm/sec.	80mm/sec.	300mm/sec.
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi
No. of Columns	42 col.	42 col.	42 col.	64 col.	64 col.	92 col.	48 / 64 col. Depending on Paper Width
Tear Bar / Autocutter	Tear Bar	Tear Bar	Tear Bar	Tear Bar	Tear Bar	Tear Bar	Partial Cut (Guillotine)
Paper Width	58mm	58mm	58mm	80mm	80mm	112mm	80mm Standard (65 / 58mm Paper Guide)
Paper Thickness	0.06 – 0.12mm	0.06 – 0.07mm	0.06 – 0.07mm	0.06 – 0.07mm	0.06 – 0.07mm	0.06 – 0.07mm	0.053 – 0.085mm
Paper Roll (diameter)	40mm	40mm	40mm	50mm	50mm	50mm	83mm
Media Presentation	Horizontal Desktop or Vertical Belt Strap	Horizontal Desktop or Vertical Belt Strap	Horizontal Desktop or Vertical Belt Strap	Horizontal Desktop or Vertical Belt / Shoulder Strap	Horizontal Desktop or Vertical Belt / Shoulder Strap	Horizontal Desktop or Vertical Belt / Shoulder Strap	User Selectable Paper Delivery Options with Mounting Bracket included
Print Width	48mm	48mm	48mm	72mm	72mm	104mm	72mm (58.5 / 50.8mm)
Sensors	Paper End, Cover Open, Black Mark	Paper End, Cover Open, Black Mark	Paper End, Cover Open, Black Mark	Paper End, Cover Open	Paper End, Cover Open	Paper End, Cover Open, Black Mark	Paper End, Cover Open, Near End Horizontal & Vertical, Black Mark
Interface	Bluetooth 3.0 / 4.0 USB charging / communication cable included	Bluetooth (2.1), iOS (MFi), Serial (cable included)	Bluetooth (2.1), iOS (MFi), USB communication cable included	WiFi, Serial (cable included)	Bluetooth (2.1), iOS (MFi), Serial (cable included)	Bluetooth (2.1), iOS (MFi), Serial (cable included)	Ethernet, 4 USB Hosts, 1 USB Slave, Audio Line IN / OUT, Cash Drawer Kick, Micro SD card support
Emulation	Star Line Mode	Star Line Mode & ESC/POS™	Star Line Mode & ESC/POS™	ESC/POS™	Star Line Mode & ESC/POS™	Star Line Mode & ESC/POS™	Star Line Mode / WebPRNT
Drop Test	1.2m	1.2m	1.5m	1.5m (MSR Model: 1.2m)	1.5m (MSR Model: 1.2m)	1.5m (MSR Model: 1.2m)	
Power Supply	USB charging / communication cable included	AC Charger & Battery Pack included	AC Charger & Battery Pack included	AC Charger & Battery Pack included	AC Charger & Battery Pack included	AC Charger & Battery Pack included	Internal adaptor included with cable
Power / Battery Life	3.7V rechargeable battery offering 13 hours printing at 5 minute printing intervals	7.4V rechargeable battery offering 8 hours printing at 5 minute printing intervals	7.4V rechargeable battery offering 13 hours printing at 5 minute printing intervals	7.4V rechargeable battery offering 11 hours printing at 5 minute printing intervals	7.4V rechargeable battery offering 13 hours printing at 5 minute printing intervals	7.4V rechargeable battery offering 24 hours printing at 5 minute printing intervals	42.0 W Printing 8.7 W Standby
Reliability	37 million lines 50km	37 million lines 50km	37 million lines 50km	37 million lines 50km	37 million lines 50km	37 million lines 50km	60 million lines 2 million cuts
Dimensions (W x D x H) mm Weight	83 x 122.5 x 44 220g (including battery)	81 x 139 x 46 288g (including battery)	80 x 114 x 44 217g (including battery)	120 x 132.2 x 58.3 442g (including battery)	120 x 130.5 x 58.3 120 x 132.2 x 58.3 (with MSR) 442g (including battery)	150.9 x 136.6 x 63.3 150.9 x 143.2 x 63.3 (with MSR) 735g (including battery)	180 x 162 x 367.5 3.5kg
Included in box with printer at purchase	• Battery Pack • Sample Paper Roll • Belt Clip • Safety Instruction Sheet	• Battery Pack • Sample Paper Roll • Belt Clip • Serial Cable • Battery Charger • Safety Instruction Sheet	• Battery Pack • Sample Paper Roll • Belt Clip • USB Cable • Battery Charger • Safety Instruction Sheet	• Battery Pack • Sample Paper Roll • Belt Clip • Serial Cable • Battery Charger • Safety Instruction Sheet	• Battery Pack • Sample Paper Roll • Belt Clip • Serial Cable • Battery Charger • Safety Instruction Sheet	• Battery Pack • Sample Paper Roll • Belt Clip • Serial Cable • Battery Charger • Safety Instruction Sheet	• Power Supply • Secure Counter Base Stand and screws • Rubber Feet • Paper Roll Guide • Safety Instructions
Options	• Desk Dock Charger • Extra Battery Pack • Star WebPRNT Browser App download from the App Store & Google Play	• 4 Unit Battery Charger • Single Battery Charger • Extra Battery Pack • Vehicle Charger • Star WebPRNT Browser App download from the App Store & Google Play	• 4 Unit Battery Charger • Single Battery Charger • Extra Battery Pack • Vehicle Charger • Star WebPRNT Browser App download from the App Store & Google Play	• 4 Unit Battery Charger • Shoulder Strap • Single Battery Charger • Extra Battery Pack • Vehicle Charger • MSR version available	• 4 Unit Battery Charger • Shoulder Strap • Single Battery Charger • Extra Battery Pack • Vehicle Charger • MSR version available • Star WebPRNT Browser App download from the App Store & Google Play	• 4 Unit Battery Charger • Shoulder Strap • Single Battery Charger • Extra Battery Pack • Vehicle Charger • MSR version available • Star WebPRNT Browser App download from the App Store & Google Play	• Individual / Combined 1D / 2D / QR Barcode & Magnetic Stripe Readers • *NEW* Newland Scanner now available • NFC, WiFi, 3G / 4G Dongles • K-lock Desk Security Cable • Micro SD Card

SPECIFICATIONS

▶ Industry standard 1D & 2D barcode support on all printers

Bluetooth Desktop

Matrix

STAR PRINTER SERIES See mPOP pages 6-7	TSP654IIBI	FVP10BI	TSP743IIBI	TSP847IIBI	SP742BI	SP298	SP500	SP700
	Page 13	Page 15	Page 16	Page 17	Page 21	Page 20	Page 21	Page 21
Description	Direct Thermal BLUETOOTH Wireless Printers Direct Thermal Label, Receipt & Ticketing				Dot Matrix Bluetooth	9-Pin High Quality, Bi-Directional Impact Printers		
ENERGY STAR	*NEW* Industry first High Performance, Entry Level iOS Compatible Bluetooth Desktop Printer with Cash Drawer Support	UNIQUE under Counter / Front Operating Printer with Voice Tool	UNIQUE 80mm Bluetooth Barcode, Label, Ticket & Receipt Printing from the ONE model	UNIQUE 112mm Bluetooth Barcode, Label, Ticket & Receipt Printing from the ONE model	UNIQUE Bluetooth 9-pin Red / Black Dot Matrix Printer	9-pin Matrix Slip Printers with Letter Descenders	Low Cost, High Speed 9-pin Matrix Printers	UNIQUE Bluetooth 9-pin Red / Black Dot Matrix Printer
Max. Print Speed	300mm/sec.	250mm/sec.	250mm/sec.	180mm/sec.	4.7 to 8.9 lps	3.1 lps	4.0 to 7.5 lps	4.7 to 8.9 lps
Resolution	203 dpi	203 dpi, 406 x 203 dpi selectable	203 dpi, 406 x 203 dpi selectable	203 dpi, 406 x 203 dpi selectable	7 x 9 half dot	7 x 9 half dot	7 x 9 half dot	7 x 9 half dot
No. of Columns	48 / 64 col. Depending on Paper Width	48 / 64 col. Depending on Paper Width	48 / 64 or 53 / 71 col. Depending on Paper Width	A4 Print Capability on 112mm Paper with Auto Scaling Software	42 / 35	42	42 / 30	42 / 35
Autocutter	Partial Cut (Guillotine)	Full or Partial Cut (Guillotine)	Full or Partial Cut (Guillotine)	Full or Partial Cut (Guillotine)	Partial Cut	Slip Printer	Tear Bar and Full / Partial (Guillotine) Autocutter Rewind models	Tear Bar and Full / Partial (Guillotine) Autocutter Rewind models
Paper Width	80mm Standard (58mm Paper Guide)	58 – 80mm Fully Adjustable	82.5, 80, 58mm Selectable (80mm Standard with User Installable Paper Guide Fitted)	112mm Standard, 80mm Options with User Installable Paper Guide Option	76mm default, 69.5, 58mm	up to 182mm	76, 57mm	76mm default, 69.5, 58mm
Paper Thickness	0.053 – 0.085mm	0.065 – 0.15mm	0.065 – 0.15mm	0.065 – 0.15mm	0.065 – 0.085mm / 1+2 copies	0.09 – 0.20mm / 1+2 copies	0.07 – 0.10mm / 1+2 copies	0.06 – 0.085mm / 1+2 copies
Paper Roll Standard Option	83mm	83mm	100mm External Paper Feed	100mm External Paper Feed	85mm	Slips only	85mm	85mm
Media Presentation	User Selectable Paper Delivery Options with Mounting Bracket included	Front Output Delivery with Flat Shelf Mount Bracket Option	User Selectable Paper Delivery Options with Mounting Bracket included & Optional Paper Exit Guide	User Selectable Paper Delivery Options with Mounting Bracket Option	Vertical or Horizontal mode	Horizontal mode	Vertical or Horizontal mode	Vertical or Horizontal mode
Print Width	50.8mm (58mm Paper) 72mm (80mm Paper)	72mm	80mm	104mm	63 / 50 / 45mm	63mm	63 / 60 / 45mm	63 / 50 / 45mm
Sensors	Paper End, Cover Open, Near End Horizontal & Vertical	Black Mark, Paper End, Cover Open, Near End	Black Mark, Paper End, Cover Open, Near End Horizontal & Vertical	Black Mark, Paper End, Cover Open, Near End Horizontal & Vertical	Paper End (Near End option)	Auto Side Loading	6 position Black Mark	Paper End (Near End option)
Interface	Bluetooth (2.1), iOS (MFi)	Bluetooth (2.1), iOS (MFi)	Bluetooth (2.1), iOS (MFi)	Bluetooth (2.1), iOS (MFi)	Bluetooth (2.1), iOS (MFi)	RS232C or Parallel	RS232C or Parallel	RS232C, Parallel, non interface or Bluetooth (2.1), iOS MFi
Power Supply	External Option PS60A	External Option PS60A	External Option PS60A	External Option PS60A	Internal with cable provided	External PS60 option	Internal with cable provided	Internal with cable provided
Power Consumption	45.6 W Printing 3.6 W Standby	37.44 W Printing 2.88 W Standby	43.2 W Printing 3.6 W Standby	48 W Printing 2.88 W Standby	36 W Printing 10.08 W Standby	24 W Printing 1.68 W Standby	10.32 W Printing 2.88 W Standby	36 W Printing 10.08 W Standby
Energy Star	External, Energy Star Qualified PS60A (Optional)	External, Energy Star Qualified PS60 (Optional)	External, Energy Star Qualified PS60A (Optional)	External, Energy Star Qualified PS60A (Optional)		External, Energy Star Qualified PS60 (Optional)		
Reliability	60 million lines 2 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	37 million lines 2 million cuts	22 million lines 1 million cuts	9 million lines	22 million lines 1 million cuts	22 million lines 1 million cuts
Dimensions (W x D x H) mm Weight	142 x 203.5 x 132 1.60kg	144 x 227.7 x 114 2.8kg	147 x 213 x 148 1.75kg	180 x 213 x 148 1.9kg	160 x 245 x 152 3.3kg	180 x 190 x 138.5 2.1kg	140 x 225 x 163	160 x 245 x 152
Options	• T100/650 Splash Proof Cover • VS T100/650 Display Stand for Vertical Use • Plug-in Interfaces (see above) • Direct Connection Cable option with iOS devices • Star WebPRNT Browser download from the App Store & Google Play	• MK-FVP10 mounting bracket • Range of plug-in alternative interfaces could replace Bluetooth interface • Star WebPRNT Browser download from the App Store & Google Play	• Wall mount bracket in box at purchase • Flashing Snout / Paper Exit Guide option • VS700 Deskboot option • Star WebPRNT Browser download from the App Store & Google Play	• Blue or Green & Red LED Flashing Snout / Paper Exit Guide Option • WBT800 Wall Mount kit • VS800 Deskboot option • Star WebPRNT Browser download from the App Store & Google Play	• Buzzer Alarm • Wall Mount Kit • Vertical Kit • Star WebPRNT Browser download from the App Store & Google Play	• PS60 Power Supply	• Buzzer Alarm • Wall Mount Kit • Vertical Kit • SP500R Paper Rewind version	• Buzzer Alarm • Wall Mount Kit • Vertical Kit • SP700R Paper Rewind version

SPECIFICATIONS

▶ Industry standard 1D & 2D barcode support on all printers

Kiosk/Terminal

Specialist Thermal, Lottery & Ticketing

Hybrid

STAR PRINTER SERIES	TUP592 TUP542	TUP992 TUP942	Sanei SK1-21/22/31/32	Sanei SK1-41A	TSP1000	TSP-L10	HSP7000
	Page 29	Page 29	Page 28	Page 28	Page 18	Page 19	Pages 20
	Modular, Open Frame Thermal Kiosk/Terminal		Open Frame Thermal Ticketing		Star Specialist Direct Thermal Printers with Receipt/Ticket Stacker		Matrix/Thermal 2 Station Printer
	Direct Thermal Label, Receipt & Ticketing						
Description	TUP592 Presenter Version TUP542 No Presenter for labels etc. TUP500 Modules – mech etc.	TUP992 Presenter Version TUP942 No Presenter for labels etc. TUP900 Modules – mech etc.	SK1-21A/SK1-31A No Presenter SK1-21A-LP/SK1-31A-LP Presenter SK1-22/SK1-32 Clamshell	SK1-41A-L No Presenter SK1-41A-LP with Presenter and Label Support	One of the World's most successful Lottery Printers	*NEW* High Performance Secure Transaction Printer able to print and stack 100 Tickets	High Speed 203 dpi Thermal Receipt & Matrix Cheque/Slip Printer
Max. Print Speed	220mm/sec.	150mm/sec.	200mm/sec.	150mm/sec.	180mm/sec.	300mm/sec.	250mm/sec. up to 8.9 lps
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi/9-pin
No. of Columns	48/64 or 53/71 col. Depending on Paper Width	A4 Print Capability on 112mm Paper with Auto Scaling Software	SK1-21/22: Max 56 col. SK1-31/32: Max 80 col. Depending on Paper Width	Max 104 col. (8x16) Max 69 col. (12x24) Depending on Paper Width	48/64 or 53/71 col. Depending on Paper Width	48/64 or 53/71 col. Depending on Paper Width	Receipt: 48/64 col. Slip: 60 or 45 col.
Autocutter	Full or Partial (Guillotine) Full only with PR500 Presenter & TUP592	Full or Partial (Guillotine) Full Only with PR900 Presenter & TUP992	Full or Partial (Guillotine) Full Only With Presenter	Full or Partial (Guillotine) Full Only With Presenter	Full Cut (Guillotine)	Full Cut (Guillotine)	Partial Cut (Guillotine)
Paper Width	45 – 82.5mm Adjustable	80 – 112mm Adjustable	SK1-21: 54/56mm SK1-31: 58/60/80/83mm	80/83/112mm	45 – 82.5mm Adjustable	82.5mm	Thermal: 58, 76, 80mm Matrix: 68–230mm
Paper Thickness	0.065 – 0.15mm	0.065 – 0.15mm	0.059 – 0.15mm	0.059 – 0.12mm	0.065 – 0.15mm	0.075 – 0.09mm	Thermal: 0.065–0.085mm Matrix: 0.09–0.31mm
Paper Roll Standard Option	Standard: 150mm With Option: 254mm	Standard: 150mm With Option: 254mm	Standard: 120mm With Option: 200mm	Standard: 120mm With Option: 200mm	▶ 180mm ◀	▶ 200mm ◀	Thermal: 83mm
Media Presentation	Presenter with Document Capture (not for labels). Flashing Paper Exit Guide option	Presenter with Document Capture (not for labels). Metal or Flashing Paper Exit Guide options	SK1-21/31: Presenter with Document Capture (not for labels). Plastic or Flashing Paper Exit Guide options	Presenter with Document Capture (not for labels). Plastic or Flashing Paper Exit Guide options	30 Receipt/Ticket Stacker	100 Receipt/Ticket Stacker	
Print Width	80mm	104mm	SK1-21: 54/56mm SK1-31: 54/56/72/80mm	72/80/104mm	80mm	80mm	Thermal: 72mm Slip: 85.4mm max.
Sensors	Black Mark, Adjustable Paper End, Near End & Paper Low	Black Mark, Adjustable Paper End, Near End & Paper Low	Near End, Reflection (PE/BM) & Gap	Near End, Reflection (PE/BM) & Gap	Paper End, Near End & Stacker	Black Mark, Cover Open, Paper End, Near End (4 position)	
Interface	Supplied without Interface. Options: 9-pin or 25-Pin Serial (IFBD-HN03 or IFBD-HD03), Parallel (IFBD-HC03), USB (IFBD-HU05), Ethernet (IFBD-HE07	Supplied without Interface. Options: 9-pin or 25-Pin Serial (IFBD-HN04 or IFBD-HD04), Parallel (IFBD-HC04), USB (IFBD-HU06)	Serial, USB as standard	Serial, USB as standard	Serial, Parallel or USB as Standard. Ethernet Options. 3rd Party WiFi/Bluetooth Options	High Speed USB 2.0 + USB Host and Ethernet	RS232C or Parallel with LAN/USB/Powered USB options
Unique Ethernet Print on Disconnection Feature	Standard with IFBD-HE07 option	Contact Star for more details			Standard with IFBD-HE08		
Power Supply	External Option PS60A	External Option PS60A	External Option PS60A with CB-SK1-D3 cable	External Option SA1-3A240 Power Lead Now Supplied	External Option PS60A	External Option PS60A	External Option PS60A
Power Consumption	40.8 W Printing 16.8 W Standby	40.8 W Printing 1.92 W Standby	60 W Printing 1.68 W Standby	60 W Printing 1.68 W Standby	48 W Printing 2.4 W Standby	24 W Printing 0.48 W Standby	
Energy Star	External, Energy Star Qualified PS60A (optional)	External, Energy Star Qualified PS60A (optional)	External, Energy Star Qualified PS60A (Optional) + Qualified SA1-3A240 (optional)	External, SA1-3A240 (optional)			External, Energy Star Qualified PS60A (optional)
Reliability	60 million lines 1 million cuts	37 million lines 1 million cuts	60 million lines 1.5 million cuts	60 million lines 1.5 million cuts	60 million lines 1 million cuts	60 million lines 2 million cuts	Thermal: 60 million lines Slip: 37 million lines
Dimensions (W x D x H) mm Weight (without interface cover)	Mechanism: 135 x 101 x 103 Open Frame: 160 x 234.1 x 179 2.5kg	Mechanism: 176.2 x 101 x 121 Open Frame: 192 x 249.3 x 179 2.84kg	SK1-21: 80mm roll 104 x 129.2 x 73.6 / 525g SK1-31: 83mm roll 127 x 130 x 74 / 630g SK1-22: 104 x 140.3 x 69.7 630g SK1-32: 128 x 174.5 x 74.2 730g	80mm roll: 160.9 x 143.1 x 76.3 102mm roll: 160.9 x 151.2 x 82.2 120mm roll: 160.9 x 159.3 x 88.1 without presenter/885g	161 x 307 x 249 3.0kg	165 x 343 x 276 4.4kg (including scanner)	186 x 296 x 177 4.6kg
Document Capture (Anti-litter mode)	Document Capture	Document Capture	Document Capture	Document Capture			
Options	• Interfaces (see above) • Flashing Snout Green & Red LED Paper Exit Guide • 25cm Paper Roll Option	• Interfaces (see above) • Metal Paper Exit Guide • Flashing Snout Blue or Green & Red LED Paper Exit Guide Option • 25cm Paper Roll Option	• Plastic Bezel BZ-SK1-1 • Flashing Snout LB-SK1 • PS60 PSU + PS60 Connector CB-SK1-D3 • 20cm Paper Roll option HL02 • Presenter PR-SK1	• Plastic Bezel BZ-SK1-1 • Flashing Snout LB-SK1 • PS60 PSU + PS60 Connector CB-SK1-D3	• Three Colour Versions Available: Cherry Red & Star White, Charcoal Grey or Star Grey	• TSPL11 Internal Print Verification Scanner version	• MICR & Non MICR versions

SPECIFICATIONS

▶ Industry standard 1D & 2D barcode support on all printers

Direct Thermal mPOS, POS & Kiosk

STAR PRINTER SERIES	TSP143ECO	TSP143U TSP143GT	TSP143LAN	TSP143III Wireless LAN	TSP654II	TSP743II TSP847II	FVP10
	Pages 9-11	Pages 9-11	Pages 9-11	Pages 9-11	Page 13	Page 16-17	Page 15
Description	World's Largest Range of Entry-Level Receipt Printers					Direct Thermal Label, Receipt & Ticketing	
					"Easy-Install" Kiosk / Terminal		
	Dedicated ECO Printers with Power & Paper Saving Tools All set-up accessories in box	**New, High Speed *"All-in-the-Box"* Thermal USB Receipt Printers** All set-up accessories in box	**Dedicated LAN Thermal Printer** All set-up accessories in box	**Dedicated Wireless Thermal Printer** All set-up accessories in box	***NEW* Superfast, Low Cost Thermal Receipt Printer including WebPRNT / iOS versions**	**Barcodes, Labels, Tickets all from the ONE model! TSP847II: The ALTERNATIVE A4 Laser Printer**	**UNIQUE under Counter / Front Operating Printer with Voice Tool**
Max. Print Speed	150mm/sec.	TSP143GT: 250mm/sec. TSP143U (TSP113U / TSP143U): 125mm/sec.	125mm/sec.	250mm/sec.	300mm/sec.	TSP743II: 250mm/sec. TSP847II: 180mm/sec.	250mm/sec.
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi, 406 x 203 dpi selectable	203 dpi, 406 x 203 dpi selectable
No. of Columns	48 / 64 col. Depending on Paper Width	48 / 64 col. Depending on Paper Width	48 / 64 col. Depending on Paper Width	48 / 64 col. Depending on Paper Width	48 / 64 col. Depending on Paper Width	TSP743II: 48 / 64 or 53 / 71 col. TSP847II: "Reduced" A4 print capability with Auto Scaling Driver	48 / 64 col. Depending on Paper Width
Autocutter	Partical Cut (Guillotine) with 3mm Top Margin	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Full or Partial Cut (Guillotine)	Full or Partial Cut (Guillotine)
Paper Width	80mm (58mm Using Paper Guide)	80mm (58mm Using Paper Guide)	80mm (58mm Using Paper Guide)	80mm (58mm Using Paper Guide)	80mm (58mm Using Paper Guide)	TSP743II: 82.5mm, 80mm (default), 58mm selectable TSP847II: 112mm Standard, 80mm with Paper Guide option	58 – 80mm Fully Adjustable
Paper Thickness	0.065 – 0.085mm	0.065 – 0.085mm	0.065 – 0.085mm	0.053 – 0.085mm	0.053 – 0.085mm	0.065 – 0.15mm	0.065 – 0.15mm
Paper Roll Standard Option	83mm	83mm	83mm	83mm	83mm	100mm	83mm
Media Presentation	User Selectable Paper Delivery Options with Mounting Bracket included	User Selectable Paper Delivery Options with Mounting Bracket included	User Selectable Paper Delivery Options with Mounting Bracket included	User Selectable Paper Delivery Options with Mounting Bracket included	User Selectable Paper Delivery Options with Mounting Bracket included	User Selectable Paper Delivery Options with Mounting Bracket included & Optional Paper Exit Guide	Front Output Delivery with Flat Shelf Mount Bracket Option
Print Width	50.8mm (58mm Paper) 72mm (80mm Paper)	50.8mm (58mm Paper) 72mm (80mm Paper)	50.8mm (58mm Paper) 72mm (80mm Paper)	50.8mm (58mm Paper) 72mm (80mm Paper)	50.8mm (58mm Paper) 72mm (80mm Paper)	TSP743II: 80mm max. TSP847II: 104mm	72mm
Sensors	Paper End, Cover Open	Paper End, Cover Open	Paper End, Cover Open	Paper End, Cover Open	Paper End, Cover Open, Near End Sensor Horizontal & Vertical	Black Mark, Paper End, Cover Open, Near End Horizontal & Vertical	Black Mark, Paper End, Cover Open, Near End
Interface	USB 2.0 Full Speed with Cable Supplied and "Virtual" Serial Port Emulator. 3rd Party WiFi / Bluetooth Options	USB 2.0 Full Speed with Cable Supplied and "Virtual" Serial Port Emulator. 3rd Party WiFi / Bluetooth Options	Ethernet model (10/100baseT, UTP) with LAN Cable Supplied and "Virtual" Serial Port. Star WiFi Power Pack option available for LAN version	Supports 802.11b/g/n (2.4GHz) with an easy-to-use and ready to go WPS Set-up	Serial, Parallel, USB, Ethernet, Bluetooth TSP654IIBI (Apple iOS, Android, Windows) and Non Interface versions. Plug-In Options: Serial (IFBD-HD03), 9-pin Serial (HN03), Parallel (HC03), Ethernet (HE07), WebPRNT (HE07X)	Serial, Parallel, USB and Non Interface versions. Plug-In Options: Serial (IFBD-HD03), 9-pin Serial (HN03), Parallel (HC03), Ethernet (HE07), WebPRNT (HE07X) ***NEW* Bluetooth (Apple iOS, Android, Windows) version available**	USB models with 2nd interface slot for Plug-In Options: Serial (BD03), Parallel, Ethernet (BE07X), WebPRNT ***NEW* Bluetooth (Apple iOS, Android, Windows) version available**
Unique Ethernet Print on Disconnection Feature			TSP100LAN: Standard	Standard via WLAN	Standard with IFBD-HE07 Option	Standard with IFBD-HE07 Option	Standard with IFBD-HE07 and Sub Chassis Option
Power Supply	Internal with Power Cable included	Internal with Power Cable included	Internal with Power Cable included	Internal with Power Cable included	External Option PS60A	External Option PS60A	External Option PS60A
Power Consumption	29.6 W Printing 0.76 W Standby	40 W Printing 2.2 W Standby	40 W Printing 6 W Standby	52 W Printing 4.5 W Standby	45.6 W Printing 3.6 W Standby	TSP743II: 43.2 W Printing 3.6 W Standby TSP847II: 48 W Printing 2.88 W Standby	37.44 W Printing 2.88 W Standby
Energy Star	Energy Star Certified Internal Power Supply (Power Cable included)	Energy Star Certified Internal Power Supply (Power Cable included)	Energy Star Certified Internal Power Supply (Power Cable included)	Energy Star Certified Internal Power Supply (Power Cable included)	External, Energy Star Qualified PS60 (Optional)	External, Energy Star Qualified PS60 (Optional)	External, Energy Star Qualified PS60 (Optional)
Reliability	60 million lines 1 million cuts	60 million lines 1 million cuts	60 million lines 1 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	TSP743II: 60 million lines 2 million cuts TSP847II: 37 million lines 2 million cuts	60 million lines 2 million cuts
Dimensions (W x D x H) mm Weight	142 x 204 x 132 1.37kg – 1.72kg	142 x 204 x 132 1.56kg – 1.76kg	142 x 204 x 132 1.56kg – 1.74kg	142 x 204 x 132 1.56kg – 1.74kg	142 x 203.5 x 132 1.60kg	TSP743II: 147 x 213 x 148 / 1.75 kg TSP847II: 180 x 213 x 148 / 1.9 kg	144 x 227.7 x 114 2.8kg
Options	• T100/650 Splash Proof Cover • VS-T650/100 Display Stand for Vertical Use	• T100/650 Splash Proof Cover • VS-T650/100 Display Stand for Vertical Use	• T100/650 Splash Proof Cover • VS-T650/100 Display Stand for Vertical Use	• T100/650 Splash Proof Cover • VS-T650/100 Display Stand for Vertical Use	• Splash Proof Cover • VS-T650/100 Display Stand for Vertical Use • Plug-in Interfaces • Plug-in WebPRNT • Star WebPRNT Browser download option for TSP654IIBI from the App Store & Google Play	• Buzzer • Blue or Green & Red LED Paper Exit Guide • Plug-in Interfaces • Plug-in WebPRNT • Star WebPRNT Browser for Bluetooth model • TSP743II: Splash Proof Cover	• MK-FVP10 Mounting Bracket • Plug-in 2nd Interfaces • Plug-in WebPRNT interface solution for simple Web printing • Star WebPRNT Browser for Bluetooth model
	4 Year Warranty on all models within the TSP100 *futurePRNT* Series including print head and cutter (Europe and South Africa)						

SPECIFICATIONS

▶ Industry standard 1D & 2D barcode support on all printers

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