



# POS Printing Solutions

PIONEERING TRADITIONAL AND TABLET POS TECHNOLOGY

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2019/UK1

New product information can be found at:

[www.futurePRNT.com](http://www.futurePRNT.com) · [www.mPOP.com](http://www.mPOP.com)



The **Ultimate** Collection

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

Once again, Star has shown it doesn't follow the market – it leads with the introduction of UNIQUE and MARKET CHANGING products.



## mCollection



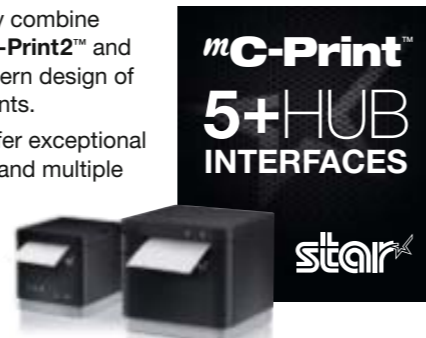
### True Omni-Channel POS Printing Solutions – the future of POS connectivity with Star's new mC-Print.

Continually pioneering solutions that seamlessly combine sophistication with high functionality, Star's **mC-Print2™** and **mC-Print3™** aesthetically match the sleek, modern design of tomorrow's retail, bar and hospitality environments.

The feature-rich, front-feed compact printers offer exceptional functionality with 5 interfaces in the one printer and multiple peripheral hub operation.

**Delivering low cost, sophisticated and sustainable solutions.**

HUB



### Unique Star 80mm Receipt and NEW 112mm wide A4 to virtual A6 Replacement AirPrint printers



See pages 15, 19 & 35 for more information

### Star's TSP143IIU is another world first...



**A fast traditional USB printer** as well as the first POS printer to print and charge an iPad or iPhone directly via the device Lightning to USB cable. Zero setup costs – literally plug-in & print with only one mains cable needed.

**Star's Development Tools** for software house printer integration are well documented, saving time and money and once again providing innovative solutions. The latest includes PassPRNT, a sophisticated print data relaying application

available for Android and iOS software developers. PassPRNT effectively receives data from an application such as Filemaker Go or any web browser including Safari/Chrome using a URL scheme to then print on a Star Bluetooth, LAN/WLAN or USB printer with PDF print and Black Mark support. All development tools can be found at

[www.starmicronics.com/support](http://www.starmicronics.com/support)

See page 39 for more information



See page 32 or contact Star for more details

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## Star Solution Summary/Specifications

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## Direct Thermal Receipt, Label & Ticket DESKTOP printers

<b>NEW mC-Print</b>	58 & 80mm front-feed, cube printers with up to 5 interfaces including unique iOS direct USB & CloudPRNT	4-5
<b>NEW mPOP</b>	Combined cash drawer & 58mm printer with Bluetooth connectivity designed specifically for the mobile mPOS market	10-11
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<b>FVP10 Series</b>	Front operating, under counter, multi-functional 80mm wide receipt, label & ticket printers – <b>NEW Bluetooth version</b>	17
<b>TSP1000 Lottery</b>	Versatile low cost 80mm thermal printer with receipt/30 x ticket stacker & 18cm paper roll capacity	24
<b>TSP-L10 Lottery</b>	High performance 80mm printer with scanner for secure transactions including coupon, lottery & ticketing & 20cm paper roll capacity	25

## Direct Thermal Receipt, Label & Ticket MOBILE printers

<b>NEW SM-L200</b>	<b>Classic Bluetooth/BLE 4.0</b> – Low cost, 2" (58mm) mobile receipt & label printer with simple, no pin required connection with Bluetooth 4 devices including Apple iOS, Android, Linux & Windows with Desktop, Drop-in Cradle Charger	21-23
<b>NEW SM-L300</b>	<b>Classic Bluetooth/BLE 4.0</b> – 3" (80mm) mobile receipt & traditional/MAXStick re-position label printer with desktop, drop-in print & charge cradle option	21-23
<b>NEW SM-S230i</b>	<b>Bluetooth</b> – Super compact 2" (58mm) mobile receipt printer with OS auto-detect pairing. Apple iOS (MFi certified), Android, Linux & Windows	21-23
<b>SM-T300i &amp; SM-T400i</b>	<b>Bluetooth</b> – 3" (80mm) & 4" (112mm), rugged, IP54 splash-proof, Apple iOS (MFi certified)/Android/Windows printers	21-23

## Cash Drawers, Scanner & Customer Display

<b>CB-2002</b>	Cash drawers available in charcoal grey, TSP143ECO black, Star white and the <b>NEW Ultra white</b> to match mPOS devices	20
<b>DK-AirCash</b>	Unique accessory to "remotely" mobilise any RJ12 traditional cash drawer	20
<b>NEW mPOP</b>	Combined 6 or 8 coin holder/4 note cash drawer & 58mm printer with Bluetooth connectivity and option to add second cash drawer with SCD222 customer display & POPPack 10" Universal Tablet Stand Holder & Plate Options available	10-11
<b>DS9208</b>	2D Hands free/handheld USB presentation imager/scanner	20
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## Dot Matrix Kitchen & Receipt Printers

<b>SP298 Slip Series</b>	Fast 3.1 lps, reliable, cost-effective 9-pin matrix impact slip printers	26
<b>HSP7000 Hybrid Series</b>	HIGH SPEED, 203 dpi direct thermal/9-pin matrix hybrid combination receipt/cheque printer	26
<b>SP712 &amp; SP742 Series</b>	Advanced, high speed <b>red/black</b> Clamshell™ receipt/kitchen printers – <b>NEW Bluetooth &amp; CloudPRNT versions</b>	27
<b>DP8340 Series</b>	Versatile, wide (114mm), mobile, compact receipt/label printers (up to 2 lps)	27

## Kiosk/Terminal Embedded Printers

<b>Sanei SK1 Series</b>	Range of compact, open frame printers with <b>NEW Presenter / LED Bezel &amp; 12 volt models for Solar Panels etc.</b>	30
<b>TUP500 &amp; TUP900 Series</b>	Modular, open frame 80 & 112mm wide receipt, label & ticket printers with A4 Replacement version using Scalable Raster Driver to reduce traditional laser running costs by 90%	31

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**NEW**

# mC-Print™

## True Omni-Channel POS Printing Solutions



**mC-Print™**  
**5+HUB INTERFACES**

**mC-Print2 & 3 options:**

- **SCD222 Star Customer Display** available in black or white with 2 lines of graphics via blue, back-lit, 160 x 40 pixel display, 141 x 79 x 60mm, 210g
- **Symbol/Zebra DS9208** Cost-effective black or white **1D & 2D scanner** charged by the mC-Print, reducing adaptor needs with free/handheld scanning modes on virtually all types of media from paper label to mobile phone code images
- **Star Low Cost 1D Scanner** black or white models
- **CB2002 black/white cash drawer** 4 note/8 coin, 410 x 415 x 114mm
- **mC-Drawer compact cash drawer** 4 note/8 coin, 330 x 335 x 104mm
- **mC-Print2 cable "Tidy" cover** (IFCV-MCP2 black or white)
- **mC-Print3 Wall mount bracket** (WB-MC30)
- **Kitchen Buzzer**

### mC-Print2™

**mCP20** Ethernet LAN, USB, Cloud  
**mCP21LB** Ethernet LAN, USB, iOS USB, Bluetooth, Cloud + 2 Host USB Ports

- 100mm/sec., 58mm front feed, top-loading, direct thermal printers
- Compact, stylish design, 96 x 113 x 100mm
- Up to 5 interfaces on just one printer
- 2 USB host ports with multiple peripheral hub functionality supporting Star SCD222 customer display and 1D scanner as well as Symbol/Zebra DS9208 2D scanner
- Star Cloud Services ready with Star's Digital Receipting/Internet device management already on board
- Unique receipt decurl function for 0.053 – 0.075mm "ironed flat" receipts that do not roll off the counter plus paper end sensor
- StarPRNT emulation with market-leading warranty and SDK support and documentation
- UK & EU PS60C power supply included in box at purchase – new compact size: 122 x 31 x 55mm



► **Unique De-Curl feature**

Providing high quality "ironed flat" receipts that will not roll off the counter.

### mC-Print3™

**mCP31L** Ethernet LAN, USB, iOS USB, Cloud + 2 Host USB Ports  
**mCP31LB** Ethernet LAN, USB, iOS USB, Bluetooth, Cloud + 2 Host USB Ports

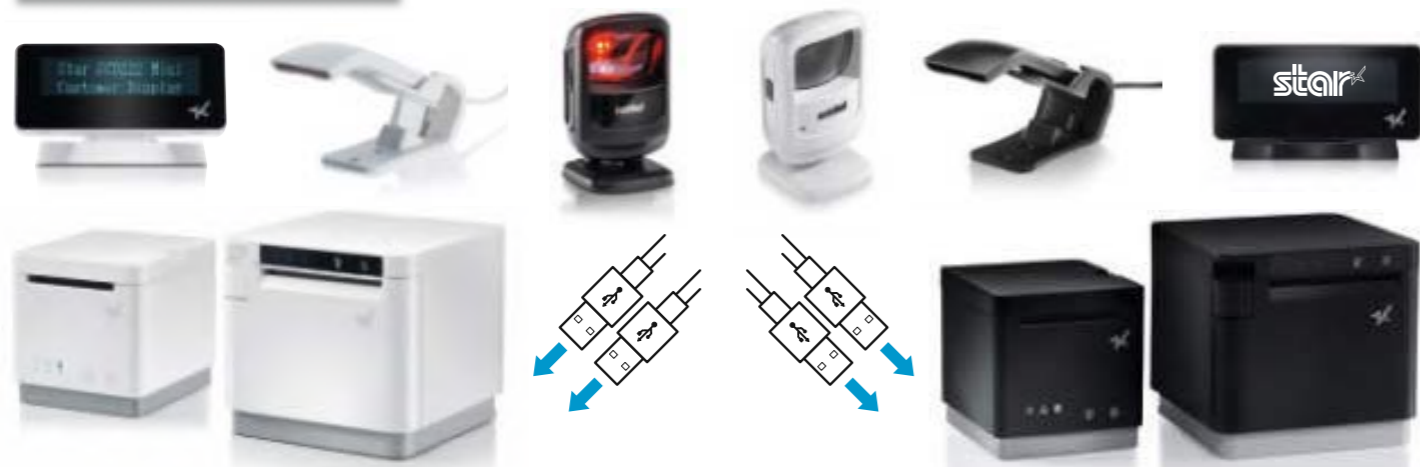
- 250mm/sec., 80mm front feed, front-loading, direct thermal printers
- Compact, stylish design, 132 x 140 x 125mm
- Up to 5 interfaces on just one printer
- 2 USB host ports with multiple peripheral hub functionality supporting Star SCD222 customer display and 1D scanner as well as Symbol/Zebra DS9208 2D scanner
- IPX2 splash-proof design with soft operating switches, raised control boards and insect prevention
- Star Cloud Services ready with Star's Digital Receipting/Internet device management already on board
- Unique receipt decurl function for 0.053 – 0.075mm "ironed flat" receipts that do not roll off the counter plus Near end and Paper end sensors
- StarPRNT emulation with market-leading warranty and SDK support and documentation
- UK & EU PS60C power supply included in box at purchase



mC-Print2 cable "Tidy" Cover option



mC-Print2 Top loading  
mC-Print3 Front loading



## Traditional POS or a new Tablet POS Solution?

The NEW mC-Print2 or 3 has enough interfaces for both!

- **Traditional POS**  
USB, Ethernet LAN, Cloud
- **Tablet POS**  
iOS Lightning USB, Ethernet LAN, Cloud, Bluetooth



**Traditional USB & Unique Lightning "Data & Charge" USB Ports**

Star's unique iOS Lightning cable port for iPad, iPhone and iPod communication provides device charging as well as direct cable data transfer between Apple iOS devices and the printer – in the same way a traditional USB printer talks to a terminal! This will simplify set-up as well as eliminate the need for pairing and passwords, making life so much easier for employees. Just check your software provider supports direct iOS communication with a Star printer or email [support@star-emea.com](mailto:support@star-emea.com)

► **Star's effective mC-Print3 IPX2 Splash-Proof Design**

Ticks all the boxes for today's expectations in kitchens, bars or other harsh environments meeting IPX2 strict requirements unlike most, if not all printers in its class.

- Soft operating switches
- High "protected" control boards
- Debris and insect prevention



## Easy Install/Integration

We are always proud to be told that Star provides the best integration tools available and this product will be no exception with standard OPOS, JavaPOS and Windows drivers. Plus the StarPRNT SDK for all Star POS printers has been updated – [www.starmicronics.com/support](http://www.starmicronics.com/support)

- **Simplified provisioning**, using Star supplied native utilities for iOS and Android in addition to web-based configuration
- **Traditional StarPRNT Intelligence driver** for Windows devices will also be available at launch
- **Easy Bluetooth and Ethernet set-up** including static IP address using Star native mobile utilities
- **Direct Lightning cable connection** for simultaneous high speed receipt printing, status and charging. All the benefits of a wired printer with the flexibility to undock and sell on the shop floor via Bluetooth or wireless network (check software is integrated)

► **NEW UTILITIES AVAILABLE for iOS and Android with APP**

Provides easy access to on-line manuals, diagnostic support and firmware upgrade tools as and when needed.



## star cloudPRNT

All of the mC-Print Series is Cloud-ready. Even the low cost, entry-level MCP20 with LAN & USB is also capable of remote Cloud printing.

The MCP21LB, MCP31L and MCP31LB printers feature 2 USB Host ports for local or Cloud based peripheral control of Star's SCD222 customer display and/or Star's 1D or the Symbol/Zebra DS9208 2D scanner.

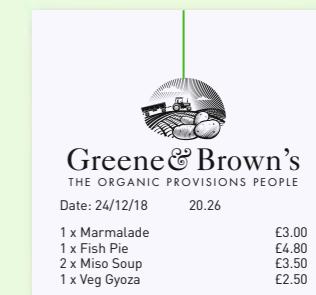
(More details on next page)

► **Sustainability at a cost-effective price**

The mC-Print offers easy paper saving with a dramatic 2mm top margin saving the planet's resources as well as reducing your paper costs.

**Top Margins:** mC-Print2: 11mm, mC-Print3: 2mm

**mC-Print2: 11mm**



**mC-Print3: Just 2mm**



# NEW star cloudPRNT

The World's Largest Range of Multi-Platform Remote Cloud Printers

Intelligent printing for modern Cloud retail, logistics and hospitality.

Star's stylish mC-Printers for dramatically low cost 58mm and 80mm wide remote receipting and ticketing from the Cloud.



Star's compact mC-Print printers provide the choice of 58mm or 80mm wide receipt printing using StarPRNT mode and are supplied with:

- ▶ All of the mC-Print Series is Cloud-ready. Even the low cost, entry-level MCP20 with LAN & USB is also capable of remote Cloud printing
- ▶ MCP21LB, MCP31L & MCP31LB features 2 USB host ports for local or Cloud based peripheral control of Star's SCD222 customer display and/or Star's 1D or the Symbol/Zebra DS9208 2D scanner
- ▶ Up to 5 interfaces for traditional or Tablet POS use – LAN/USB/iOS direct USB with charging/Bluetooth and CloudPRNT
- ▶ Star's mC-Print App will assure easy firmware updates as and when new features become available

More details on mC-Print on pages 4 & 35



## star cloudPRNT-POS

Tablet POS with Multiple USB Peripheral Control

It is well known Tablet POS has many advantages over traditional Terminal POS but the key disadvantage until now has been the inability to attach peripherals, let alone control them from Cloud-based software.

Once again, Star's innovation and ability to provide market-leading technology at the right price will allow retailers and restaurateurs to take advantage of all the benefits of Tablet POS including:

- ▶ Lower cost, cabled hardware
- ▶ Small, attractive footprint

Your iOS Tablet POS can now be fully cabled with direct printer connectivity over the lightning USB interface providing device charging as well as control of Star peripherals over USB. No expensive Bluetooth scanners or displays needed.

- ▶ Versatile Cloud-based software that can be quickly changed according to market developments with fast, in-store scalability – add another POS station device by simply logging into your supported, current software

Uniquely, Star's range of CloudPRNT POS, kitchen and label printers can all run Cloud-based software with peripheral support on any tablet or smartphone – any device with a web browser with everything controlled through the printer.

mC-Print unusually offers, via wired Ethernet connection with status, both an 80mm receipt and a 58mm receipt solution for those looking for sustainable solutions. The mC-Print3 has a paper saving 2mm top margin, whilst the compact mC-Print2 offers 'credit card' style receipting saving paper and money.

2 Host USB Ports



Remote Printing with Cloud-Based Multiple Peripheral Control

Star's new CloudPRNT technology for remote printing directly from your web server to Star printers anywhere in the world is now available across Star's traditional and very latest range of printers.

Star has carefully documented all commands needed for the two different Star CloudPRNT solutions. The Developer Guide & Set-Up Manual can be found in the Star Micronics Developers section at:

[www.starmicronics.com/support/SDKDocumentation.aspx](http://www.starmicronics.com/support/SDKDocumentation.aspx)

Star HI X Printers for 80mm and 112mm wide receipting, labelling, ticketing and red/black matrix kitchen printing from the Cloud.



Star's NEW HI X Printers or HI01X/HI02X interface upgrade options provide connectivity at every level using Star Line mode or be future-proofed using traditional interfaces, knowing you can go to the Cloud at virtually half the replacement printer cost.



- ▶ WiFi Ready using a compatible, locally sourced USB WiFi dongle. More details at [www.star-emea.com/products/hixconnect](http://www.star-emea.com/products/hixconnect)
- ▶ Dual Interface USB/LAN
- ▶ Star's WebPRNT LAN platform independent HTML/JavaScript printing with web-based applications to local network
- ▶ CloudPRNT internet connection through WiFi, LAN with remote document printing from your web server. Perfect for restaurant aggregation, warehousing etc.
- ▶ Star Peripheral Ready no PC required peripheral use including scanners and displays with 2 USB host ports

See page 35 for specifications

ALL AVAILABLE USING...

- ▶ Star's 300mm/second, Superfast printer or upgrade your TSP654II with traditional interface when you are ready to go to the Cloud. No need to replace the printer – just replace the interface at half the cost (available NOW using HI01X)
- ▶ Star's Receipt, Label and Ticket printers TSP743II or TSP847II (using up to 0.15mm thick media) can all use the new exciting HI X Interface on 80/112mm wide tickets and labels (HI01X)
- ▶ Star's Kitchen printer (HI02X) The high-speed, two colour SP700 Matrix

## star cloudPRNT-POS TSP654II HI X

Star's TSP654II with IFBD-HI01X interface with CloudPRNT...

can turn any mobile device – Windows, Android, iOS, Linux etc., into a full POS system with peripheral support providing IP connectivity via Wired Ethernet with status & multiple peripheral support (via 2 USB host ports) for Star's SCD222 customer display and Star 1D/Symbol 2D barcode scanners. Or using the WiFi dongle option with one Star peripheral or multiple peripherals, if used with USB hub.



“The ultimate in POS solutions for the world’s leading retailers, hoteliers and restaurateurs.”



iOS  Windows

**On the move...**



Star’s 2” (58mm), 3” (80mm) and 4” (112mm) mobile printer range is available with Classic Bluetooth and Bluetooth 4.0 (BLE) including the very latest **SM-L200** and **SM-L300** mobile printers – the only 58mm and 80mm wide Bluetooth 4.0/BLE products on the market able to connect to more than one iOS device at a time without the need for passwords etc. (see pages 21-23)

 / 

Made for   

**Developers**

All the information you need to see why Star is the leader in this market sector can be found on page 39.

# Tablet POS

## Connectivity at all levels

**Star believes it is your choice that is important and we have to provide the printer for the Tablet solution you want to use, according to your budgets and in-store/out-of-store needs.**

Star is widely acknowledged as the leading hardware innovator in the move from the more expensive traditional POS terminals to Cloud connected Tablet POS featuring lower cost hardware that can be mobile or fixed and easily upgradable as the business grows.

Coupled with Cloud-connected software that is flexible, low cost and progressively scalable according to market developments and individual business needs, Tablet POS is being increasingly chosen over traditional POS across retail and hospitality with Star printers, once again, producing the final receipt.



The printers detailed here will work with the Tablets listed – just check that your software is compatible – either contact Star (sales@star-emea.com) or your software provider.

**Colour – it’s your choice!** Ultra White or Black Grey

Today’s hardware has to match the tablet of your choice and Star’s huge range does just that.

The **Ultra White Range** is specifically designed to complement the latest Apple, Android and Windows Tablet style and make your POS transactions stand out...



...or choose the more traditional dark look

**Choose your preferred make of Tablet...**

### Apple iOS Tablets

*Probably the most popular choice of tablet to date* for retail and hospitality for many reasons. Apple’s stylish design and proprietary operating system has created an environment for a wide choice of Cloud connected POS solutions. Typical printer communication has been achieved via Bluetooth and Ethernet/LAN. However, Star’s position as the leading innovator for Tablet POS has resulted in the introduction of 2 UNIQUE targeted iOS solutions; **TSP654II AirPrint™** and **TSP143III USB**, the only printer able to ‘connect’ and charge via the Apple lightning cable.

**Star iOS printers for receipting**

**80mm wide** mC-Print3, TSP143III Bluetooth, TSP143III LAN, TSP143IIIUSB, TSP143IIIWLAN, TSP654II AirPrint™, TSP654II Bluetooth

**58mm wide** mC-Print2, mPOP Combined Printer & Cash Drawer

**Star iOS printers for ‘heavy’ paper ticketing & labels**

**80mm wide** FVP10 Bluetooth, TSP743II Bluetooth

**112mm wide** TSP847II AirPrint (A4 Replacement), TSP847II Bluetooth

**Star iOS printers for 2 colour, dot matrix kitchen printing**

**80mm wide** SP742 Bluetooth, SP742 LAN

### Windows Tablets

*A great choice for many as it is the fastest route to mobile from the current in-store operating system.* Windows has been traditionally the most successful OS for in-store business to date and provides IT managers with existing infrastructure for remote management etc. Star provides a wide range of drivers for Windows including JavaPOS & OPOS support for your chosen POS application with easy install for Bluetooth, WiFi, Ethernet/LAN and USB use – just check your Windows tablet provides additional charging via USB.

**Star Windows printers for receipting**

**80mm wide** mC-Print3, TSP143III Bluetooth, TSP143III LAN, TSP143IIIUSB, TSP143IIIWLAN, TSP654II Bluetooth

**58mm wide** mC-Print2, mPOP Combined Printer & Cash Drawer

**Star Windows printers for ‘heavy’ paper ticketing & labels**

**80mm wide** FVP10 Bluetooth, TSP743II Bluetooth

**112mm wide** TSP847II Bluetooth

**Star Windows printers for 2 colour, dot matrix kitchen printing**

**80mm wide** SP742 Bluetooth, SP742 LAN



Mobile Printer details can be found on pages 21-23

### Android Tablets

*Probably the lowest cost range of tablet solutions available,* however not the most popular to date due to the many variations of Android installations with fewer Android developers creating retail and hospitality cloud based software solutions. Star Bluetooth, WiFi, Ethernet/LAN and USB printers are available – just check your Android tablet provides additional charging via USB.

**Star Android printers for receipting**

**80mm wide** mC-Print3, TSP143III Bluetooth, TSP143III LAN, TSP143IIIUSB, TSP143IIIWLAN, TSP654II Bluetooth

**58mm wide** mC-Print2, mPOP Combined Printer & Cash Drawer

**Star Android printers for ‘heavy’ paper ticketing & labels**

**80mm wide** FVP10 Bluetooth, TSP743II Bluetooth

**112mm wide** TSP847II Bluetooth

**Star Android printers for 2 colour, dot matrix kitchen printing**

**80mm wide** SP742 Bluetooth, SP742 LAN

### Star Tablet POS Solutions by interface

▶ **Bluetooth solutions**

- mC-Print2** 58mm with up to 5 interfaces & 2 Hub ports
- mPOP** Combined 58mm printer and cash drawer
- mC-Print3** 80mm with up to 5 interfaces & 2 Hub ports
- FVP10** 250mm/sec., 80mm front operating, “heavy” paper printer
- TSP143IIIIBI** 250mm/sec., 80mm receipt printer with internal power supply
- TSP654IIIBI** 300mm/sec., 80mm receipt printer with external power supply
- TSP743IIIBI** 250mm/sec., 80mm Tablet labelling and “heavy 0.15mm thick paper” ticketing
- TSP847IIIBI** 180mm/sec., 112mm Tablet labelling and “heavy 0.15mm thick paper” ticketing
- SP742BI** 8.9 lps, 1+2 copy red/black matrix kitchen printer

▶ **UNIQUE iOS USB “cabled” solution** for traditional and iOS tablet POS market

- mC-Print2** 58mm with up to 5 interfaces & 2 Hub ports
- mC-Print3** 80mm with up to 5 interfaces & 2 Hub ports
- TSP143IIIU** 250mm/sec., 80mm receipt printer with internal power supply

▶ **Ethernet/LAN solutions**

- mC-Print2** 58mm with up to 5 interfaces & 2 Hub ports
- mC-Print3** 80mm with up to 5 interfaces & 2 Hub ports
- TSP143IIILAN** 250mm/sec., 80mm receipt printer with internal power supply
- TSP654IIIE** 300mm/sec., 80mm receipt printer with external power supply
- TSP654II HI X** 300mm/sec., 80mm WiFi-ready (use 3rd party dongle), receipt printer with LAN/USB & Cloud connectivity

- SP742E** 8.9 lps, 1+2 copy, 80mm dot matrix, kitchen printer with internal PSU
- ▶ **CB2002 Cash Drawer with DK-AirCash**
- ▶ **WiFi solutions**
- TSP143IIIWLAN** 250mm/sec., 80mm receipt printer with internal power supply
- TSP654II HI X** 300mm/sec., 80mm WiFi-ready (use 3rd party dongle), receipt printer with LAN/USB & Cloud connectivity
- TSP743II HI X** 250mm/sec., 80mm WiFi-ready (use 3rd party dongle), label & ticket printer with LAN/USB and Cloud connectivity
- TSP847II HI X** 180mm/sec., 112mm WiFi-ready (use 3rd party dongle), receipt printer with LAN/USB & Cloud connectivity



**NEW**

# mPOP™

THE MOBILE POINT OF PURCHASE SOLUTION

"Compact &amp; Elegant"

**Bluetooth®**

## For POS at its most elegant, Star's mPOP meets your business needs.

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.

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.

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 Windows



### ► SIMPLE & Easy-to-use

JUST one power cable is needed to charge multiple devices, operate scanners, as well as run the printer and cash drawer courtesy of the 2 x 1.5A and 2 x 0.5A USB host ports. An optional iOS Y cable option can provide 2.4A for the iPad Pro. The mPOP LCDs will let you know pairing status as well as any issues such as paper out, whilst Apple's auto reconnect feature will automatically re-pair Apple devices.

### ► Security

The mPOP can be attached to a counter using the desk clip provided or with a 3rd party Kensington lock cable system. Any tablet stand can be used with the mPOP. However, the tablet stand provided with Star's POPPack option is attached to a heavy, metal plate and provides peace of mind whilst retaining the ability to separate stand and mPOP for transport at end of day, if required.

### ► Reliable 100mm/second printer

with intuitive top loading & easy front feed, the printer uses anti-curl 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.

### ► 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.

### ► Need Software?

[www.mPOP.com](http://www.mPOP.com) will put you in touch with the latest Mobile POS, Retail and Hospitality software that suits you and works with Star's mPOP. Offering all the advantages of Mobile POS – lower cost hardware and software that works in the Cloud as well as off-line, giving you access to your business anywhere – again you choose!



Tablet and phone not included

### ► You Choose

"Use your own tablet, smartphone or laptop and payment device"



### ► Need a bigger Cash Drawer?

If your business grows as quickly as you hope, then you can easily add a 2nd cash drawer under your counter. Just purchase a low cost black or white CB2002 from Star and plug the cash drawer cable into the mPOP's versatile range of ports at the base of the unit. Your software or your mPOP may be programmed to open this drawer separately or at the same time as your mPOP, giving you a more hidden location for all that extra cash!



CB2002

## Options & Accessories

CB2002

### MODELS:

- mPOP White & Silver EU & UK
- mPOP White & Silver with barcode reader/scanner
- mPOP Black & Silver EU & UK
- mPOP Black & Silver with barcode reader/scanner

### In the box at purchase:

- 58mm Thermal Printer & 6 coin/4 note holder cash drawer
- Printer Security Clip for attaching mPOP to counter
- Simple Tablet Stand to place tablet in upright or lower mode
- 1D Scanner if the scanner version (mPOP with BCR) is purchased

### Options available:

- 1D Scanner BCR-POP1 (black or white – check software support)
- 2D Scanner DS9208 (black or white – check software support). Free and handheld scanning modes on virtually all types of media from paper label to mobile phone QR code images. Cost-effective 1D & 2D scanner connected to Star's mPOP, reducing adaptor needs
- SCD222 Customer Display for iOS or Android mPOP use, with 2 lines of graphics via blue, back-lit, 160 x 40 pixel display. 141 x 79 x 60mm/210g
- iOS High Powered Y Cable for iPad Pro charging from mPOP. 2.4A using the two existing 1.5A mPOP ports

- Under-counter mount kit
- 3rd party Kensington lock
- Secure VESA mount base for 3rd party VESA stands
- Paper: Thermal – width: 57mm, roll diameter: 50mm, weight: 0.053 – 0.075gsm, core size: 12mm
- CB2002 black or white 2nd cash drawer option

**NEW**

## Star POPPack option



### 10" Secure Universal Tablet Stand & mPOP Plate

Introducing the matching black or white tablet and PED stand solution from Ergonomic Solutions. Transform Star's combined Bluetooth cash drawer and printer into an mPOS station with 180° rotation, eliminating the need for a customer display. Red, yellow, green, blue versions available on special order.

Full specifications on page 34  
or [www.Star-EMEA.com](http://www.Star-EMEA.com)



# TSP100 Series

The TSP100 Series is renowned for setting new standards for both traditional POS and the fast emerging Tablet POS world, due to its combination of world-leading features.

- *futurePRNT* Software with cost-saving marketing & multi-install tools
- ALL setup accessories in the box: wall mount kit, 58mm guide, Interface & power cable with plug & switch cover
- 4 Year warranty including head & cutter
- Free-of-charge Digital Receipting & online printer estate status tool
- Superior connectivity at entry-level pricing
- Internal power supply with cable – NO "brick on a rope"
- Dark grey & ultra white models to match today's modern tablets with matching cash drawers
- Thin paper capable (0.053mm)
- Energy Star Compliant

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



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

## TSP100 options:



**CB2002 Cash Drawer**  
ECO black, Ultra white or standard white version for TSP100 Series  
**Vertical Desk Stand**  
**Splash-Proof Cover**

Full specifications on page 35 or [www.futurePRNT.com](http://www.futurePRNT.com)



Charging + Data Transfer between iPad & Printer via Lightning to USB Cable. WIFI/Bluetooth NOT required.

- ▶ **Star's unique iOS Lightning cable port for iPad, iPhone and iPod communication** provides device charging as well as direct cable data transfer between Apple iOS devices and the printer – in the same way a traditional USB printer talks to a terminal! This will simplify set-up as well as eliminate the need for pairing and passwords, making life so much easier for employees. Just check your software provider supports direct iOS communication with a Star printer or email [support@star-emea.com](mailto:support@star-emea.com)
- Traditional USB & Unique Lightning "Data & Charge" USB Ports**



## TSP143IIU ECO 150mm/sec. USB Receipt Printer



Offers unique paper and power saving features, set outside of the core POS software. Star's *futurePRNT* software allows the user to set the auto paper length and width reductions as well as the operator print receipt prompt on just one printer to then roll out to the whole estate. This, plus the 3mm top margin (11-13mm being standard), can reduce paper costs by 70% or more.

## TSP143IIIU 250mm/sec. USB Receipt Printer



A fast traditional USB printer with unique *futurePRNT* setup, marketing and paper saving software (receipt reduction and on demand receipt popup) as well as being the first POS printer to print and charge directly an iPad or iPhone from USB via the device Lightning to USB cable. Zero setup costs – literally plug-in & print with only 1 mains cable needed.

## TSP143III LAN 250mm/sec. LAN/Ethernet Receipt Printer



A fast traditional LAN/Ethernet printer (10/100baseT with virtual serial port) with unique Print-on-Disconnect customer warning feature. Also includes Star's unique *futurePRNT* setup marketing and paper saving software (which works above the customer's core POS setup) including receipt length and width reduction and operator print receipt prompt.

## TSP143III WLAN 250mm/sec. Wireless LAN Receipt Printer



Star's wireless LAN receipt printer with an internal power supply is perfect for cable-free environments and can be easily set up using WPS or Access point mode. The unique Print-on-Disconnect customer warning feature is useful for identifying infrastructure network issues on the customer's premises.



## TSP143III Bluetooth 250mm/sec. USB Receipt Printer



Widely acknowledged as the new leading Bluetooth printer for Tablet POS following on from the success of Star's TSP654II BI; the TSP143III BI is fast, compact and easy to setup with the Star WebPRNT Browser for direct web printing – available from Google Play or the App Store. The iOS (Apple iPad etc.) AutoConnect feature (after power-on or out of range situation) demonstrates this printer ticks all the Tablet POS boxes.

# TSP143III *futurePRNT* Software

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

## Pre-Install Tool saving Time & Money

All settings are stored on the PC removing the need to pre-configure the printer itself. The unique TSP100 setup 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.

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

## Receipt Redesign Tools

- ▶ **Image Import Tool** for any size mono or colour BMPs, JPEGs or GIFs
- ▶ **Receipt Pre-View Tool**
- ▶ **Coupon Marketing Tool & Text Trigger Tool** – allow customers to add or use pre-determined words to "trigger" coupons and graphics without affecting current software.
- ▶ **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

# TSP100ECO *futurePRNT*

## Paper Saving Tools

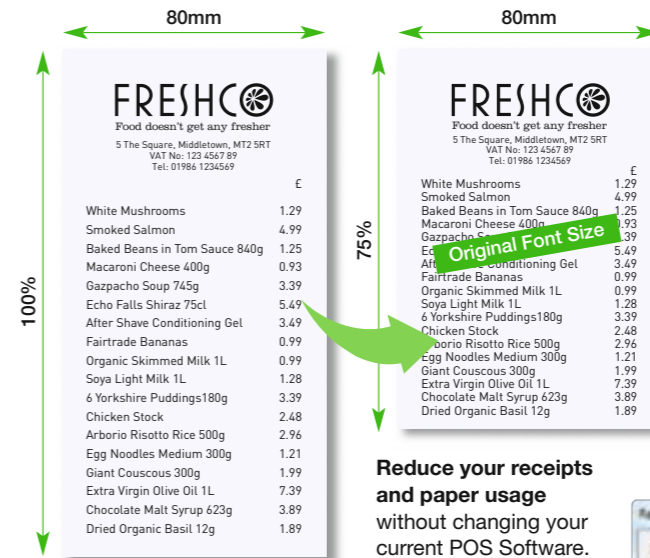
- ▶ **Unique Partial Cut 3mm Default Top Margin**
- ▶ **Receipt Auto Reduction** – automatically reduce the length and width of receipts without changing the customer's original software set-up

**Unique Power Saving Management** (see [futurePRNT.com](http://futurePRNT.com) for more information)

**Receipt Printing on Demand with Automatic Operator Prompt**



## Receipt Redesign Tools for all TSP100 models



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

## Paper Saving Tools

- ▶ **Automatic Receipt Reduction**
- ▶ **Receipt Printing on Demand using the Operator Prompt** – Star's TSP100 Series will do this for you without changing your core POS software



"TSP100 *futurePRNT* tools & features could reduce paper consumption by 70% or more."



**NEW**

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



**Digital Receipt Service**



**STAR CLOUD SERVICES**

The fast, secure and easy route to digital receipting

Star's Digital Receipting Service with AllReceipts Customer App – now included in the printer driver and **FREE** to retailers and customers with analytics and new coupon/full image notification tools – see page 32 for more information.

Just download the AllReceipts App or register at [www.starcloudservices.com](http://www.starcloudservices.com)

GET IT ON Google Play

Download on the App Store



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



- RETAIL**
- Retail Coupons
  - Point-of-Sale Receipting



- HOSPITALITY**
- Hotel Invoicing
  - Table Receipting

... and so much more.

**TSP654II options:**

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



**Vertical Desk Stand**      **Splash-Proof Cover**

# TSP650II Series

Entry Level, 300mm/second POS Receipt Printer



- 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 32)

**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
- **NEW TSP654II CloudPRNT** – upgrade with the new HI X Connect interface (IFBD-HI01X) or buy the dual LAN/USB printer with Star CloudPRNT technology version (see page 7)

**Options available:**  
PS60 Power Supply, Splash-Proof Cover, Vertical Desk Stand

**Included in Box at purchase:**  
Wall Mount Kit, Power Switch Cover, Sample Paper Roll



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

# TSP654II AirPrint™ **NEW**

The World's 1st Apple Certified AirPrint™ POS printer

Star is proud to announce the launch of the **TSP654II AirPrint™**, the first and only 80 & 58mm receipt and ticket AirPrint POS printer certified by Apple. AirPrint is an Apple technology providing easy mobile printing solutions for Apple iPad, iPhone, iPod and MacBook users on any private network.

Star's TSP654II AirPrint Solution will provide Ethernet & WiFi use with an Apple WiFi Alliance certified dongle (EDIMAX EW-7811UN) included in the box with EU & UK power supplies.

(More information at [www.Star-EMEA.com](http://www.Star-EMEA.com))



# TSP654IIBI Bluetooth

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



- Switches easily from Apple iOS Bluetooth to Android, Windows and Linux
- 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)
- AutoConnect feature will reconnect to the last iOS host after power on or out of range situation
- 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



# TSP654II HI X with CloudPRNT **NEW**

LAN / WiFi remote printing direct from your web server to any printers anywhere in the world



- Out-of-the-box CloudPRNT internet connection through WiFi or LAN with remote document printing from your web server. Perfect for restaurant aggregation, warehousing etc.
- WiFi Ready using a compatible, locally sourced USB WiFi dongle matching the customer's preference and budget
- Dual Interface USB / LAN
- Star's previous WebPRNT LAN platform independent HTML / JavaScript printing from the Web included free-of-charge, along with Star's AllReceipts Digital Receipting platform
- Peripheral Ready – no PC required for peripheral use including barcode scanners with 2 USB host ports (More information on page 7)



# 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 Coupons, 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 an increased percentage of labels available per roll and no wasted backing paper to dispose of



“The TSP654SK Re-Stick printer is designed to work in liner-free labelling applications.”

Full specifications on page 35 or [www.Star-EMEA.com](http://www.Star-EMEA.com)



# Receipts, Labels & Ticketing for Retail



Every business needs to produce labels, swing tickets etc. at some stage or other – BUT do you really need yet another printer with additional printer support and staff training requirements?? Star offers retailers of all sizes the opportunity to use the same printer for standard receipting as well as ‘heavyweight’ label or ticket printing – swing or otherwise!

Doesn't every printer manufacturer offer this? If not, why not? The answer is simple. The printer mechanics needed to reliably issue 2 to 3,000 tickets or labels a day is more intricate than for a standard receipt printer. Star's reliable build quality is able to offer both functions.

The other question in today's market is **mobile or desktop labelling?** Well that depends on 3 key factors – do you want to use a countertop printer to produce labels and tickets in a back office or fixed location or move around the store using tablet-based Cloud software. Again Star can **UNIQUELY** help with all environments – Bluetooth and WiFi desktop printers with large paper roll capacities as well as Bluetooth mobile printers that can print labels and tickets on the go as well as from the desktop charging cradle.

## ‘ALL-in-ONE’ Desktop Receipt, Ticket, Label Printers

Bluetooth, WiFi (Hi X Interface), Ethernet/LAN & traditional interface solutions



▶ **FVP10**  
250mm/sec. 80mm front operating, “heavy” paper printer – 8cm paper roll

▶ **TSP743IIBI**  
80mm Tablet labelling and “heavy 0.15mm thick paper” ticketing – 10cm paper roll

▶ **TSP847IIBI**  
112mm Tablet labelling and “heavy 0.15mm thick paper” ticketing – 10cm paper roll



## ‘ALL-in-ONE’ Mobile Receipt, Ticket, Label Printers

with Operating and Charging Cradles

Bluetooth (more details on pages 21-23 & 38)



▶ **SM-L200**  
35mm/sec. 58mm mobile printer with Classic & Bluetooth 4 connectivity to multiple iOS devices – 4cm paper roll – media up to 0.12mm thick

▶ **SM-L300**  
65mm/sec. 80mm mobile printer Classic & Bluetooth 4 connectivity to multiple iOS devices – 5.7cm paper roll – uses traditional & liner-free MAXStick re-positionable labels

▶ **SM-T400i**  
80mm/sec. 112mm Bluetooth mobile printer – 5cm paper/label roll



Contact Star for more details at [Sales@Star-EMEA.com](mailto:Sales@Star-EMEA.com)

Integration Tools for all of the above can be found at [www.starmicronics.com/support](http://www.starmicronics.com/support) including WooCommerce, Magento & WebPRNT Browser utilities.

# FVP10 Series

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



“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

- High quality 203dpi 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 32)
- Interfaces available:
- **FVP10U** – Built-in USB with Parallel, Serial (BD03) & Ethernet (BE07X) options
  - **Star WebPRNT Printing** – “Plug-In” interface solution for simple Web printing (IFBD-BE07X)
  - **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.

### 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 page 35 or [www.Star-EMEA.com](http://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.

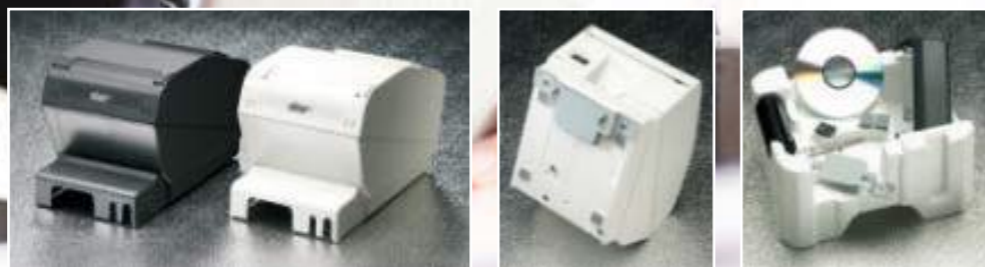
- Fast single transaction receipt printer capable of producing barcodes, labels and tickets at 250mm/sec.
  - Large paper roll capacity, diameter 100mm (offering up to 60% more paper than a standard 80mm roll)
  - “Drop-In & Print” easy paper loading
  - Full or partial cut AutoCutter (centre tab) life 2 million cuts
  - Ergonomic splash resistant design with easy-clean (case) and splash-proof cover available
  - Double Density (406 x 203dpi) 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 32)
- Tablet Connectivity options:**
- NEW CloudPRNT** “Plug-In” HI01X interface option for remote web printing anywhere (see page 7)
  - NEW TSP743IIBI Bluetooth** grey version now available with unique Auto Connect facility
- Interface versions available:**
- TSP743IID Serial Interface
  - TSP743IIC Parallel Interface
  - TSP743IIU USB Interface
  - TSP743II BI Bluetooth
  - TSP743II HI X with CloudPRNT (HI01X)
  - TSP743II Non-interface version for use with low cost Ethernet (HE07)/WebPRNT (HE07X) options

### 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 32)
- Tablet Connectivity options:**
- NEW CloudPRNT** “Plug-In” HI01X interface option for remote web printing anywhere (see page 7)
  - NEW TSP847IIBI Bluetooth** grey version now available with unique Auto Connect facility with WebPRNT Browser
- Interface versions available:**
- TSP847IID Serial Interface
  - TSP847IIC Parallel Interface
  - TSP847IIU USB Interface
  - TSP847II BI Bluetooth
  - TSP847II HI X with CloudPRNT (HI01X)
  - TSP847II Non-Interface version for use with low cost Ethernet/WebPRNT
  - TSP847II AirPrint A4 to virtual A6 replacement printer

### 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

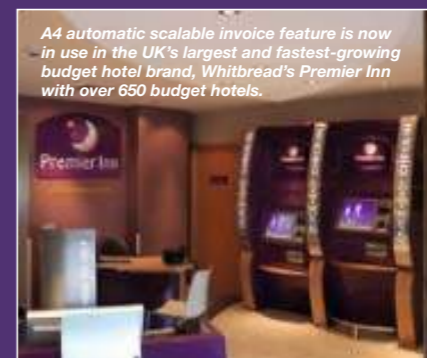
Obvious advantages include:

- 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<sub>2</sub> 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!



“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.

**NEW**

**TSP847II AirPrint™**

Unique Apple iOS iPad, iPhone, iPod A4 to virtual A6 replacement printer, providing 112mm wide output.

**NEW**

**Low cost HI X Connect interface option for TSP743II & TSP847II**

Star’s **CloudPRNT** and **Digital Receipt Service** technology will enable remote printing to Star printers anywhere in the world without complicated network configurations.

**Digital Receipt Service**  
STAR CLOUD SERVICES

Full specifications on page 35 or [www.Star-EMEA.com](http://www.Star-EMEA.com)



# POS Peripherals

## CB2002 Cash Drawer

Cost-effective, secure cash drawer for tablet and traditional applications. **ECO black**, Star White and **NEW Ultra white** colours to match Star printers and Tablet POS systems.



### CB-2002 FN Cash Drawer

- 4 flat note clips & 8 coin slots
- Driven from printer peripheral drive circuit with compulsion switch
- 3 position key lock with drawer release and large value note slot
- Options: under desk Z brackets, Lockable tray cover, Note holder bracket and divider
- 410 x 415 x 114mm / 7kg



**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 pages 10 & 11 for details.

## DK-AirCash

Star's unique accessory that enables users to open the cash drawer via their mobile device.

- Neat compact design – 154 w x 75 d x 28 h mm
- Support for traditional operating systems, including iOS, Android, OPOS, Windows etc.
- AutoConnect facility
- Drawer open status retrievable by host
- Check this has been integrated with your software



**DK-AirCash SAC10E**  
Ethernet version

**NEW** Make your cash drawer cable free!



## mPOP™ Scanner and Display for Star mPOP, mC-Print & HI X Series

### DS9208 2D Scanner

The DS9208 USB presentation imager can scan virtually any barcode on a variety of surfaces, from 1D barcodes on a paper label to 2D on electronic displays on mobile phones, tablets and more.

- Scanner provides superior comfort in both hands-free and handheld scanning modes
- Contemporary design and small footprint can fit into even the most space-constrained, design-conscious checkout stands
- Cost-effective scanner for small or large retail use



### SCD222 Customer Display

Star's new mini Customer Display has been designed to specifically work with Star's unique mPOP through the USB port and is available in white or black casing.

- Star SDK ver. 5 or above support is available for iOS/Android software development
- Display features 2 lines of 20 characters or full graphics data via the blue back-lit, 160 x 40 pixel LCD display
- Dimensions: 141 x 79 x 60mm / 210g



SCD222



### 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.



# Mobile Printers for Your Industry

*mPOS – designed to create the ultimate, flexible mobile experience!*

**Why Star? Pioneering innovation at every level!**

Once again, Star is introducing new features that the retail market needs for mobile transactions which nobody else can offer. With features and technology that will enhance your customer's buying experience, Star provides a mobile POS solution that is unrivalled today.

## Bluetooth 4.0 for Multiple iOS, password-free Device Connection

The only two printers on the planet to feature the latest BLE/4.0 technology are Star's **SM-L200** and **SM-L300**. 4.0 technology simplifies in-store use as pairing is not required and multiple iOS tablets can be used to produce receipts from the one printer, as opposed to the usual Bluetooth pairing rule of one printer to one tablet.

**USB Charging** avoids the need for large, specialised power chargers which can run from a terminal, plug or cradle option. Star's long-life batteries run printers lasting from 13 to an amazing **43 hours**, printing a receipt every 5 minutes.

**PRICE!** Star provides all this at a price that will surprise you. Just check out our resellers online to see how you can benefit from these extra features and functionality without breaking the bank!





### 4" 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 35 hour battery life printing at 5 minute intervals
- SM-T404i with 1,2&3 track magnetic stripe reader version



**FREE**

#### 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](http://www.starmicronics.com/support)

#### Star Digital Receipting now available for Star Mobile printers

Star's latest SDK will allow integrators to deliver **FREE Digital Receipting** via Star's **AllReceipts App** into their software (see page 32 for more details).

# Mobile Printers for Industry and Retail

Today's mobile workforce demands mobile printers that are light, fast and effective indoors or out; whether you are producing labels for warehousing/logistics purposes or providing an on-site receipt for faster field-service cash flow. Star's extensive range of feature-rich receipt and label printers provide the ideal solution for all your industry's mobile printing needs...

Star's unique and innovative approach is demonstrated by its latest SM-L printers offering traditional Classic Bluetooth connectivity as well as Bluetooth 4.0 (Bluetooth Smart/BLE). BLE breaks all the normal "one-to-one" Bluetooth rules and can communicate with multiple iOS devices (no Pin required). *Perfect for environments where multiple iOS tablets are needed, but just one printer.*

• Please note Android and Windows will only connect via traditional Bluetooth 2/3

**NEW**



### 2" SM-S230i

Bluetooth Super Compact 2" (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 19 hour battery life printing at 5 minute intervals



### 3" 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 203dpi and 75mm/second print speed
- Rubberised design with IP54 dust/splash-proof certificate
- 1.5m drop reliability
- Maximum 31 hour battery life, printing at 5 minute intervals
- SM-T301i with 1&2 track magnetic stripe reader version



**NEW**



### 58mm SM-L200 Traditional & Liner-Free Label/Receipt Printer Compact, Bluetooth Classic & Smart, Low Cost 2" (58mm) BT/BLE

- High resolution 203 dpi and 35mm/second print speed with the battery
- Simple, no pin required auto pairing with Bluetooth 4.0 devices including Apple iOS, Android, Linux & Windows
- Bluetooth 4.0 allows the use of multiple iOS tablets as opposed to the traditional one-to-one
- Print receipts during the day and product labels after hours with traditional 58mm Label support with Black Mark & transmissive sensors or MAXStick™ ReStick style, liner-free labels
- OLED display and 13 hour battery life
- Desk dock cradle charger & in-vehicle mount options

4.0 Bluetooth

### 80mm SM-L300 Traditional & Liner-Free Label/Receipt Printer Super Compact, Bluetooth Classic & Smart, Low Cost 3" (80mm) BT/BLE

- High resolution 203 dpi and 65mm/second print speed
- Traditional 40 – 80mm Label support with Black Mark & transmissive sensors
- MAXStick™ ReStick style, liner-free label support
- **Unprecedented 43 hour battery life!**
- High contrast OLED Display for improved visibility of printer status
- Unique "flat", decurl paper feature
- Unique micro USB charging 5V desktop cradle charger
- Super compact design just 119 x 146 x 69 mm / 540g
- Simple, no pin required auto pairing with multiple iOS devices



4.0 Bluetooth

## Labelling for all Environments...

### What size do you need?

Star's high quality printers offer a variety of print widths from 32 to 104mm

**BUT DON'T FORGET...**

Star's mobile printers can print high quality graphics, text and barcodes in landscape or portrait format, allowing you to print the label length you need or smaller labels in a two label per row format.

For more information about labelling with our mobile printer range, please contact Star at [support@star-emea.com](mailto:support@star-emea.com)



104mm (SM-T400i) (landscape label/ticket)

80mm (SM-L300)

40/48mm (SM-L200)

Compact, lightweight printers for so many labelling environments:

- ▶ Shelf Edge labels
  - ▶ Food labelling
  - ▶ Logistics
  - ▶ Pricing & Barcodes
  - ▶ Swing Tickets
- ...you name it!!

## SM-L200/SM-L300 options:

### 5V Desktop Charging Cradle

**NEW**



- Convenient presentation angle for in-cradle receipt or label printing while charging with printer
- USB charging cable included (charge from existing system or add power adaptor)
- **SM-L200:** 116 w x 94 d x 80 h mm
- **SM-L300:** 135.65 w x 140.78 d x 85.6 h mm

4.0



**Reseller Tip:** Star offers a number of demo apps on iTunes and Google Play which provide instant Star mobile printer functionality.



#### LOGISTICS

- Delivery Confirmation
- Reporting & Vehicle Invoicing

#### RETAIL

- Point-of-Sale Receipting
- Stock Checker & Retail Coupons

#### HOSPITALITY

- Event Ticketing & Table Receipting

## Liner-Free Labelling from MAXStick™

With a **ReStick/RePositioning** feature according to the "stick" strength you are looking for – perfect for hospitality special orders/deliveries/warehouse or library temporary labelling...you name it!



Full specifications on page 38 or [www.Star-EMEA.com](http://www.Star-EMEA.com)

“Star lottery and ticket printers offer the speed, reliability and specialist features needed for any ticketing solution.”



TSP-L10

20cm

**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 38 or [www.Star-EMEA.com](http://www.Star-EMEA.com)

## The World's most successful Lottery Printers

From the US to sunny South Africa, Star Micronics has been proudly supplying tens of thousands of printing solutions for the world's largest lottery installations for more than three decades.

The TSP700 was the first printer to be used worldwide, followed by the TSP1000 and now TSP-L10 where all of Star's experience has created a lottery super-printer taking into account the industry's needs!

**Security addressed at every level**

from the 203 x 203 dpi high quality output with 16 levels of grey scale to the 203 dpi internal ticket scanner with 256 grey scan levels for verification and journaling of all output if required.

Customer software can be set up to read the ticket barcode whilst printing so tickets can be immediately voided before print completion, providing confidence for all lottery operators. The Scanner can also analyse and check that the correct paper stock is being used from the large 20cm outside diameter, internal paper roll.



## 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

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



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 203dpi 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

**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

**WAREHOUSE/LOGISTICS**

- Product Picking
- Invoicing

**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 38 or [www.Star-EMEA.com](http://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.

Full specifications on page 38 or [www.Star-EMEA.com](http://www.Star-EMEA.com)

## 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

## HSP7000 Series

High speed, 203dpi 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 203dpi 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

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

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

- HOSPITALITY**
- Hotel Invoicing
  - Restaurant Receipting

- TICKETING**

Full specifications on page 38 or [www.Star-EMEA.com](http://www.Star-EMEA.com)

## 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 39)
- 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:**

- NEW CloudPRNT** "Plug-In" HI02X interface option for remote web printing anywhere
- Serial HD04, 9-Pin Serial HN04, Parallel HC04, USB HU06, LAN with optional WiFi Power Pack HE08, WebPRNT HE08X and non-interface version

## 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



- HOSPITALITY**
- Restaurant Receipting
  - Hotel Invoicing

- RETAIL**
- Point-of-Sale Receipting



**Reseller & Retailer Tip:**

The SP700 Series requires the following ribbons:

**SP700 Options:**

- RC700B Black Ribbon
- RC700D Laundry Ribbon
- RC700BR Red & Black Coloured Ribbon

Full specifications on page 38 or [www.Star-EMEA.com](http://www.Star-EMEA.com)



**RECEIPTS**

**RECORDS**

- Data logging
- Measuring equipment

**MOBILE PRINTING**

- 12 volt applications

**LABEL PRINTING**

- Sprocket version



**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 – full specifications at [www.Star-EMEA.com](http://www.Star-EMEA.com)

# Kiosk Printing Solutions



As a leading installer of packaged and modular specialist kiosk printing solutions, Star offers a wide range of industry-leading products. With over thirty years' experience in the kiosk industry and an unrivalled reputation for reliability, Star has a highly experienced Hardware Engineering Team that can provide the technical expertise and flexibility required to develop customised products. This wealth of experience pushes the boundaries in POS and tablet POS printing to bring the most advanced kiosk solutions.

With customers worldwide across retail and hospitality, Star's solutions meet the demands of even the most compact kiosk designs, while offering high performance printing that remains unrivalled today.



**Star Success**  
Customers around the world include:  
Premier Inn, Sun International, Coop Switzerland, P&O Ferries, Subway, Eurotunnel to name just a few.

Full specifications on pages 34-37 or [www.Star-EMEA.com](http://www.Star-EMEA.com)

## The Star Choice

### Specialist Packaged

Star's packaged printers offer ease of installation, a variety of interface options and are CloudPRINT compatible for internet connected services. Ideal for self-service kiosks where staff are physically present to replenish print media.

- Lower cost hardware in comparison to modular solutions

- Easier to install, change paper rolls and maintain with the front-loading mC-Print3
- 10cm roll has 60% more paper on the roll than the standard 8cm offered by other packaged printers (TSP700II and TSP800II)
- Snout option available for TSP700II and TSP800II
- TSP700II and TSP800II for labelling & heavier ticket stock solution for 58/80/112mm wide media



Star TSP700II, TSP800II & mC-Print

### Modular Open Frame

Star TUP & Sanei printers offer traditional kiosk printing solutions that are flexible and adaptable in application. The TUP range is extremely flexible with a modular solution and long cables for customised installs for limited space enclosures whilst the Sanei range is a lower cost, more compact, "fixed" open frame kiosk mechanism.

- Larger paper roll options for less frequent paper changes – talk to Star support to discuss options ([support@star-emea.com](mailto:support@star-emea.com))
- Presenter/bezel options are available with Document Capture/"retract & retain"

- Transmissive, Gap & Black Mark sensors for ticketing & labelling (without presenter)
- The Sanei is capable of operating at lower temperatures (-20 to +60°C).
- The TUP range has greater connectivity options in comparison to Sanei: Sanei (USB & Serial), TUP no interface supplied – choose from USB, Serial, Parallel or LAN (TUP500 only)
- Sanei 58mm & 80mm "Bucket" models for "Drop-In & Print" easy paper loading
- All Sanei models feature status/error email capability
- 12v Sanei SK1-21H/SK1-31H models for solar energy power etc.



Star TUP & Sanei Range

### Tablet Kiosk

Aid the design of the new generation, compact Tablet Terminals with Star's wide range of tablet printing solutions with connectivity at every level including the unique mC-Print3 and TSP143IIU for direct USB "data & charge" from the printer to iOS devices via the Lightning cable as well as many other Bluetooth, LAN & Cloud receipt, label & ticket printer solutions on media up to 0.15mm.

#### Star's range includes:

- Packaged Printers: TSP100 (no Near End paper sensor)/TSP654/MCP with partial cut

- Open-Frame Printers including the Sanei range: SK1-22/SK1-32 "bucket" paper loading versions with Bezel option in particular

#### UNIQUE Connectivity options tailored for Tablet Terminals:

- mC-Print3 & TSP143IIU with USB "data & charge"
- mC-Print3 & HI X Printer Series with plug & play 1D or 2D scanner/SCD222 customer display hub support (2 USB host ports)
- TSP654II AirPrint, the only Apple certified POS printer, providing integration free (software) printing utilising existing Apple AirPrint user interface



Star mC-Print3, TSP143III, TSP654II Series including Apple AirPrint™ & Sanei Range

Ideal for applications where a lower cost tablet is used for its compact size/slim profile, ease of use and connected services on sites where staff are present to replenish print media. Star's mC-Print3 and HI X Printer Series simplify the kiosk design providing a hub with 2 host USB ports for Symbol/Zebra DS9208 2D scanner and Star SCD222 customer display where needed as well as remote communication.

## The Star Difference

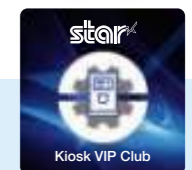
### Integration Made Easy

Star's investment, expertise and relationships with industry giants such as Microsoft and Apple ensure developers can integrate Star printers with a consistent experience. Its sophisticated drivers support industry standards from all major operating systems and, being a member of the UPOS committee, Star prides itself on the quality of SDKs, source code and Technical Manuals available to developers.



### Technical Innovation

- SDKs and Source code for kiosk builders who prefer to communicate directly with the printer's port for greater status feedback. Contact Star or go to [www.starmicronics.com/support](http://www.starmicronics.com/support)
- Remote firmware updates removing the need for site visits
- Print Verification Status feedback
- Remote communication – CloudPRINT with HI X Connect compatible printers and mC-Print
- A4-A6 automatic scaling Tool for up to 80% savings compared to a typical laser printer



### Star Kiosk VIP Club

Star has expanded the Star VIP Club with the launch of Star Kiosk VIP Club. Star Kiosk VIP Club members have access to additional sales, technical and marketing resources designed to help you develop your solution with the support of Star behind you.

Find out more and apply online at [www.StarVIP.Club](http://www.StarVIP.Club)

“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

## Sanei SK1 Series

### 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.



SK1-21/211

SK1-22

SK1-31/311

SK1-32

SK1-41A

**NEW**

### SK1-21-H & SK1-31-H 12 volt / 2" & 3"

Printers that can be powered by solar panels for remote kiosks without access to power etc.



Flashing Paper Exit guide

#### Models available:

#### SK1-21/211/22 Series 58/60mm

- SK1-21A/211 – Printer only
- SK1-21A/211-LQP – Printer with presenter
- SK1-22 – Clamshell style “Drop-In & Print”
  - SK1-21: 200mm/sec. print speed
  - SK1-211: 250mm/sec. print speed
  - Mechanism dimensions / Weight: 104(w) x 129.2(d) x 73.6(h) mm / 525g

#### SK1-31/311/32 Series 54/56/72/80mm

- SK1-31A/311 – Printer only
- SK1-31A/311-LQP – Printer with presenter
- SK1-32 – Clamshell style “Drop-In & Print”
  - SK1-31: 200mm/sec. print speed
  - SK1-311: 250mm/sec. print speed
  - Mechanism dimensions / Weight: 128(w) x 174.5(d) x 74.2(h) mm / 730g

#### SK1-41 Series 80/83/112mm

- SK1-41A-L – Printer only with Label support
- SK1-41A-LQP – Printer with presenter
  - 150mm/sec. print speed
  - Mechanism dimensions / Weight: 160.9(w) x 143.1(d) x 76.3(h) mm / 885g

#### Options:

- LB-SK1: SK1-211/311 LED Bezel (mount bracket needed for LQP presenter version)
- 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. Note: paper weight reduced with presenter use – see specs on page 36
- 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](mailto:Support@Star-EMEA.com) Please note these drivers are not listed on the Star Global Support website [www.StarMicronics.com/support](http://www.StarMicronics.com/support)

## 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 HU07, LAN HE07, Serial HD03, Parallel HC03



#### 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

## 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 HU08



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



TUP500 Programmable LED Flashing Paper Exit Guide



#### 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.

“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

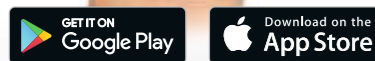
Full specifications on page 36 or [www.Star-EMEA.com](http://www.Star-EMEA.com)

Full specifications on page 36 or [www.Star-EMEA.com](http://www.Star-EMEA.com)



**NEW**

“Star’s ever expanding **FREE DIGITAL RECEIPTING SERVICE** uses the Cloud and AllReceipts™ mobile App to bridge the gap between the retailer & shopper.”



# Digital Receipt Service

from STAR CLOUD SERVICES

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

**Star Digital Receipt Service** 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

**DEVICE MANAGEMENT** This is a Cloud Hardware Monitoring Service which enables the retailer to view a list of connected printers and cash drawers in a Cloud based portal. Printers can be named for fast identification so that Retailers are then

instantly made aware of problems such as the cash drawer being left open, printers being turned off etc. The ability to name printers is perfect for retailers with multiple locations. However, please talk to Star if you would like to run a master account per location.

Device ID	Status	Device Name	Beacon ID	Actions
502707615761	Online	1 LEEDS Pharmacy		View Edit
502707615761	Online	1 LEEDS POS		View Edit

## Software House integration

The Star Cloud Service platform is provided free-of-charge in a developer friendly SDK for fast, easy and inexpensive integration. Software houses can use the Star Cloud Services platform as an Expense Management Tool so customers can easily manage/print receipts. The Receipt Type Tag Tool facilitates this. Software houses could also form partnerships with 3rd party services to enhance their software with minimal development needed.

Contact Star for more information or just download Star’s Digital Receipt SDK from [www.starmicronics.com/support](http://www.starmicronics.com/support)

The SDKs for Android and iOS are free-of-charge and include the Digital Receipt Service with QR code, Beacon, NFC support and Star micro survey. There may be additional API functions in the future if software vendors are interested. The Cloud Hardware Monitoring

Service and analytics are not included in the SDK. Star is happy to offer a number of software vendor promotional advantages including direct promotion referral on the Star Cloud Services website with customised landing page and URL link alongside local PR case study activities.

Please contact Star at [www.Star-EMEA.com](http://www.Star-EMEA.com) for further information.

Contact Star for more details at [Sales@Star-EMEA.com](mailto:Sales@Star-EMEA.com)

**ENGAGE NOW** This service features an alert notification within the App on the customer’s smart phone which opens the retailer’s chosen landing page with wider focus promotional messages to attract the many different types of customers. The URL link to this feature is dynamic and will reach any customer’s smart phone that has “claimed” just one digital receipt. Needless to say this page can lead to the retailer’s loyalty program providing rewards/ discounts/ notification of sale dates etc.

Engage NOW

Change Picture

Engagement URL: <http://star-emea.com/>

Your customers will see this URL in their App, make sure it's accurate and appropriate. Please see the Terms of use for more information.

To disable this service, please unregister at the Add/Manage Services page.

Confirm

**DIGITAL RECEIPT** Subscribing to this service will mean that as soon as the printer has printed the receipt, a digital image of the receipt will be sent to the Cloud for collection by the customer. Collection can be done through the Star AllReceipts App by either scanning the QR code at the bottom of the receipt or tapping the beacon on the counter. If the customer does not have the App already on their phone, scanning the QR code will take them directly to the App for a fast download from the App Store or Google Play.



**RECEIPT FLIP** is a focused marketing tool that can be changed daily, even hourly to match the retailer’s latest campaign or market product trends. A motivational full colour image/promotional coupon/Event details/Community branding can be placed on the retailer’s customer’s phone. The image is static and provides a sharper promotional marketing tool featuring coupon expiry dates to instil a sense of urgency. The image could also cover administration issues with warranty or product return details, Terms and Conditions etc.

**INSTANT CUSTOMER SURVEY** Retailers can discover what their customers think of them by turning on the on-line Survey analytics. Customers are asked to express their level of service satisfaction by reacting to one of the 4 emojis before collecting their receipt. This will provide “immediate” feedback regarding customer service on an identified day and is an unbiased instant survey without the need for a reward which could affect the survey result.



## LATEST FEATURE...



Introducing Star’s **NEW PromoPRNT & PromoMAKER** providing retailers with the tools to create and add promotions to printed receipts without affecting their current POS software set-up using Star’s **PromoMANAGER** to upload & schedule the designed coupons.

**ZERO DEVELOPMENT** is needed as all of the above 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, coupon, full colour flip image and Engage Now URL (where relevant) to the cloud until claimed.

**AllReceipts App**

GET IT ON Google Play

Download on the App Store

Available NOW!

Star’s Digital Receipt Service is subject to local country legislative requirements and is available in English, Finnish, French, German, Portuguese & Spanish for Europe, South Africa, South & North America.

**Star Digital Receipt Service** is available on Star counter top thermal receipt & mobile printers.

- TSP100 using *futurePRNT* driver for Windows
- mC-Print, TSP654II, 743II, 847II, FVP10 Series via Windows StarPRNT Intelligence driver
- mPOS iOS & Android available within the Star SDK for Star Developers for counter top printers as above and Star’s mobile printer range.

All drivers available at: [www.starmicronics.com/support](http://www.starmicronics.com/support)

Check with Star for the latest list of software integrators.

# Bluetooth Desktop

STAR PRINTER SERIES	NEW		NEW		NEW			
	mC-Print2 MCP21LB	mC-Print3 MCP31LB	TSP143IIBI	TSP654IIBI	FVP10BI	TSP743IIBI TSP847IIBI	mPOP	SP742BI
See <b>mPOP</b> pages 10-11								
	Pages 4-5	Pages 4-5	Pages 12-13	Page 15	Page 17	Pages 18-19	Pages 10-11	Page 27
Description	Direct Thermal <b>BLUETOOTH</b> Wireless Printers						Direct Thermal Printer & Cash Drawer	Dot Matrix Bluetooth
	Direct Thermal Label, Receipt & Ticketing							
	<b>NEW</b> 58mm printer with 5 interfaces and 2 host peripheral USB ports	<b>NEW</b> 80mm printer with 5 interfaces and 2 host peripheral USB ports	<b>NEW</b> High Speed "All-in-the-Box" Bluetooth printer for Android, Apple iOS & Windows	Industry first High Performance, Entry Level iOS Compatible Bluetooth Desktop Printer with Cash Drawer Support	UNIQUE Under Counter Printer with Front Operation and Voice Tool	UNIQUE 80mm or 112mm Bluetooth Barcode, Label, Ticket & Receipt Printing from the ONE model	Compact 58mm Bluetooth Printer & Cash Drawer – one power cable needed to charge/run tablets/scanners etc.	UNIQUE Bluetooth 9-pin Red/Black Dot Matrix Printer
Max. Print Speed	100mm/sec	250mm/sec	250mm/sec	300mm/sec	250mm/sec	TSP743II: 250mm/sec. TSP847II: 180mm/sec.	100mm/sec.	4.7 to 8.9 lps
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi, 406 x 203 dpi selectable	203 dpi, 406 x 203 dpi selectable	203 dpi	7 x 9 half dot
No. of Columns	48 col.	64 col.	48/64 col. Depending on Paper Width	48/64 col. Depending on Paper Width	48/64 col. Depending on Paper Width	TSP743II: 48/64, 53/71 col. TSP847II: max. 104 col	48 col.	42/35 col.
Autocutter	Full or Partial Cut (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Full or Partial Cut (Guillotine)	Full or Partial Cut (Guillotine)	Full or Partial Cut (Guillotine)	Partial Cut
Paper Width	58mm	80mm Standard (58mm with Paper Guide)	80mm (58mm Using Paper Guide)	80mm Standard (58mm Paper Guide)	58 – 80mm Fully Adjustable	TSP743II: 82.5, 80 (std), 58mm TSP847II: 112mm	58mm	76mm default, 69.5, 58mm
Paper Thickness	0.053 – 0.075mm	0.053 – 0.075mm	0.053 – 0.085mm	0.053 – 0.085mm	0.065 – 0.15mm	0.065 – 0.15mm	0.053 – 0.075mm	0.065 – 0.085mm / 1+2 copies
Paper Roll Standard	54mm	83mm	83mm	83mm	83mm	100mm External Paper Feed	50mm	85mm
Media Presentation	Front Receipt Feed, Top Paper Loading	Front Receipt Feed with 2mm Top Margin, Front Paper Loading	User Selectable Paper Delivery Options with Mounting Bracket included	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	Horizontal mode with front receipt delivery	Vertical or Horizontal mode
Print Width	54mm / 50.8mm / 48mm default	50.8mm / 72mm default	50.8mm (58mm Paper) 72mm (80mm Paper)	50.8mm (58mm Paper) 72mm (80mm Paper)	72mm	TSP743II: 80mm TSP847II: 104mm	54 or 48mm	63/50/45mm
Sensors	Paper End, Cover Open	Paper Near End & End, Cover Open	Paper End, Cover Open	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	Paper End, Cover Open	Paper End (Near End option)
Interface	MCP20 USB, Ethernet LAN, Cloud. MCP21LB above + Bluetooth, Lightning USB	MCP31L USB, Ethernet LAN, Cloud, Lightning USB. MCP31LB above + Bluetooth	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), 1 Slave USB, 2x0.5A & 2x1.5A Slave Host Ports	Bluetooth (2.1), iOS (MFi)
Power Supply	External PS60C included	External PS60C included	Internal with Power Cable included	External Option PS60	External Option PS60	External Option PS60	Internal with Power Cable included	Internal with cable provided
Power Consumption	19W Printing 1.2W Standby	36W Printing 1.44W Standby	46W Printing 3.5W Standby	45.6W Printing 3.6W Standby	37.44W Printing 2.88W Standby	TSP743II/TSP847II: 43.2W / 48W Printing 3.6W / 2.88W Standby	32.34W Printing 25.77W Standby	36W Printing 10.08W Standby
Energy Star	External, Energy Star Qualified PS60 (optional)	External, Energy Star Qualified PS60 (optional)	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)	Energy Star Qualified	
Reliability	60 million lines 1 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	TSP743II/TSP847II: 60/37 million lines 2 million cuts	18 million lines 300,000 cuts	22 million lines 1 million cuts
Dimensions (w x d x h) mm Weight	96 x 113 x 100mm 0.8kg	132 x 140 x 125mm 1.3kg	142 x 204 x 132 1.56kg – 1.74kg	142 x 203.5 x 132 1.60kg	144 x 227.7 x 114 2.8kg	TSP743II: 147 x 213 x 148 / 1.75kg TSP847II: 180 x 213 x 148 / 1.9kg	308 x 300 x 100 3.5kg	160 x 245 x 152 3.3kg
Options	<ul style="list-style-type: none"> <li>mC-Print Cable Tidy IFCV-MCP2</li> <li>Kitchen Buzzer</li> <li>SCD222 Display</li> <li>Symbol/Zebra DS9208 2D Scanner</li> <li>Star 1D Scanner</li> </ul>	<ul style="list-style-type: none"> <li>Wall Mount Kit WB-MC30</li> <li>Kitchen Buzzer</li> <li>SCD222 Display</li> <li>Symbol/Zebra DS9208 2D Scanner</li> <li>Star 1D Scanner</li> </ul>	<ul style="list-style-type: none"> <li>In box: Power Cable, Wall Mount Kit, Power Switch Cover, Paper Roll, 58mm Guide</li> <li>Options: T100/650 Splash Proof Cover, VS T100/650 Display Stand for Vertical Use, Star WebPRINT Browser download from the App Store &amp; Google Play</li> </ul>	<ul style="list-style-type: none"> <li>In box: Wall Mount Kit, Power Switch Cover, Paper Roll, 58mm Guide</li> <li>Options: T100/650 Splash Proof Cover, VS T100/650 Display Stand for Vertical Use, Plug-in Interfaces (see above), Star WebPRINT Browser download from the App Store &amp; Google Play</li> </ul>	<ul style="list-style-type: none"> <li>MK-FVP10 mounting bracket</li> <li>Range of plug-in alternative interfaces could replace Bluetooth interface</li> <li>Star WebPRINT Browser download from the App Store &amp; Google Play</li> </ul>	<ul style="list-style-type: none"> <li>TSP743II: Wall Mount Bracket in box at purchase</li> <li>TSP847II: WBT800 Wall Mount option</li> <li>TSP743II: VS700 Desktop option</li> <li>TSP847II: VS800 Desktop option</li> <li>Star WebPRINT Browser download from the App Store &amp; Google Play</li> </ul>	<ul style="list-style-type: none"> <li>In box at purchase: Power Cable, 1D scanner with scanner version, Counter Clip, Paper Roll, Tablet Stand</li> <li>POS Software compatible options include: Star 1D or 2D DS9208 scanners, SCD222 Customer Display, iOS 2.4A cable, POPPack Stand, ESA Stand Mount, Under Counter Mount Kit</li> </ul>	<ul style="list-style-type: none"> <li>Buzzer Alarm</li> <li>Wall Mount Kit</li> <li>Vertical Kit</li> <li>Star WebPRINT Browser download from the App Store &amp; Google Play</li> </ul>

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







# Direct Thermal Kiosk, Tablet POS & Traditional POS Receipt Printers

STAR PRINTER SERIES	TSP143IIU ECO	TSP143III USB	TSP143III LAN / Ethernet	TSP143III Wireless LAN	TSP143III Bluetooth
	Pages 12-13	Pages 12-13	Pages 12-13	Pages 12-13	Pages 12-13
Description	World's Largest Range of Entry-level Receipt Printers with 4 years warranty (inc. Print Head & Cutter)				
	All printers available in Dark Grey or Ultra White and feature 203 dpi resolution with high reliability (MCBF 60 million lines / 2 million cuts)				
	Entry-Level Dedicated ECO USB Printer with Power & Paper Saving Tools All set-up accessories in box	High Speed USB Receipt Printer with direct "Communicate & Charge" Lightning cable connection All set-up accessories in box	High Speed Dedicated Ethernet/LAN Thermal Printer All set-up accessories in box	High Speed Wireless Printer with WPS or Access point mode All set-up accessories in box	High Speed "All-in-the-Box" Thermal Bluetooth Receipt Printer All set-up accessories in box
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)
Print Width	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) 50.8mm (58mm Paper)
Paper Thickness	0.053 – 0.085mm	0.053 – 0.085mm	0.053 – 0.085mm	0.053 – 0.085mm	0.053 – 0.085mm
Paper Roll Size Outside Diameter	83mm	83mm	83mm	83mm	83mm
Power Supply	Internal with Power Cable included	Internal with Power Cable included	Internal with Power Cable included	Internal with Power Cable included	Internal with Power Cable included
Print Speed	150mm/second	250mm/second	250mm/second	250mm/second	250mm/second
Autocutter	Partial Cut (Guillotine) with 3mm Top Margin	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)
Unique Ethernet/LAN Print on Disconnect			Standard	Standard via WLAN	
Dimensions / Weight (w x d x h) mm	142 x 204 x 132 1.72kg	142 x 204 x 132 1.68kg	142 x 204 x 132 1.68kg	142 x 204 x 132 1.68kg	142 x 204 x 132 1.68kg

STAR PRINTER SERIES	NEW		NEW		NEW			
	mC-Print2 MCP20 / MCP21LB	mC-Print3 MCP31L / MCP31LB	TSP654II	TSP654II HI X CloudPRNT	TSP847II AirPrint™	TSP743II TSP847II	TSP743II TSP847II HI X	FVP10
	Pages 4-5	Pages 4-5	Pages 14-15	Page 15	Page 19	Pages 18-19	Pages 18-19	Page 17
Description	World's Largest Range of Entry-Level Receipt Printers					A4 Replacement	Direct Thermal Label, Receipt & Ticketing	
	All printers feature 203 dpi resolution with high reliability (MCBF 60 million lines / 2 million cuts)					"Easy-Install" Kiosk / Terminal Embedded Printers		
	Super Compact MCP20 LAN, Cloud & USB MCP21LB LAN, USB, Cloud, Lightning USB, Bluetooth with 2 host USB ports	Elegant MCP31L LAN, Cloud, USB, Lightning USB, 2 host USB ports MCP31LB plus Bluetooth	High Speed Thermal Receipt Printer AirPrint, LAN, USB, HI X CloudPRNT, Serial, Parallel & no interface versions	High Speed Thermal LAN & Remote Cloud Receipt Printer with USB & Ethernet WiFi ready for 3rd party dongle	World's 1st Apple Certified AirPrint™ A4 to virtual A6 Replacement Printer	80mm or 112mm wide Barcodes, Labels, Tickets all from the ONE printer! Traditional interface, Ethernet, WiFi, Bluetooth & CloudPRNT versions offering the world's only wireless desktop receipt, label & ticket printers. TSP847II: THE ALTERNATIVE A4 Laser Printer with 90% less running costs than your standard laser	UNIQUE under Counter / Front Operating Audio Printer with USB interface & 2nd port option	
Paper Width	58mm	80mm Standard (58mm with Paper Guide)	80mm (58mm Using Paper Guide)	80mm (58mm Using Paper Guide)	112mm	TSP743II: 82.5mm, 80mm (default), 58mm selectable TSP847II: 112mm Standard (80mm guide)	58 – 80mm Fully Adjustable	
Print Width	54mm / 50.8mm / 48mm default	50.8mm / 72mm default	72mm (80mm Paper) 50.8mm (58mm Paper)	72mm (80mm Paper) 50.8mm (58mm Paper)	104mm	TSP743II: 80mm max. TSP847II: 104mm	TSP743II: 80mm max. TSP847II: 104mm	72mm
Paper Thickness	0.053 – 0.075mm	0.053 – 0.075mm	0.053 – 0.085mm	0.053 – 0.085mm	0.065 – 0.15mm	0.065 – 0.15mm	0.065 – 0.15mm	0.065 – 0.15mm
Paper Roll Size Outside Diameter	54mm	83mm	83mm	83mm	100mm	100mm (60% more paper, 0.065mm thick)	100mm (60% more paper, 0.065mm thick)	83mm
Power Supply	External PS60C included	External PS60C included	External Option PS60	External Option PS60	External Option PS60	External Option PS60	External Option PS60	External Option PS60
Print Speed	100mm/second	250mm/second	300mm/second	300mm/second	180mm/second	TSP743II: 250mm/second TSP847II: 180mm/second		250mm/second
Autocutter	Full or Partial Cut (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Full or Partial Cut by command (Guillotine)	Full or Partial Cut by command (Guillotine)	Full or Partial Cut by command (Guillotine)	Full or Partial Cut by command (Guillotine)
Unique Ethernet/LAN Print on Disconnect	Standard across all models	Standard across all models	Standard with Ethernet LAN IFBD-HE07 model	Standard with WiFi 3rd party dongle & Ethernet port		Standard with Ethernet LAN IFBD-HE07 model	Standard with Ethernet port	Standard with Ethernet LAN IFBD-BE07 FVP chassis model
Dimensions / Weight (w x d x h) mm	96 x 113 x 100 0.8kg	132 x 140 x 125mm 1.3kg	142 x 203.5 x 132 1.60kg	142 x 203.5 x 132 1.60kg	180 x 213 x 148 1.9kg	TSP743II: 147 x 213 x 148 / 1.75kg TSP847II: 180 x 213 x 148 / 1.9kg		144 x 227.7 x 114 2.8kg








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

# Kiosk / Terminal

STAR PRINTER SERIES	TUP592 / TUP542	TUP992 / TUP942	SK1-22 / SK1-32	SK1-21 / SK1-31	SK1-211 / SK1-311	SK1-41A
						
	Page 31	Page 31	Page 30	Page 30	Page 30	Page 30
Description	Modular, Open Frame Thermal Kiosk / Terminal		Open Frame Compact Thermal			
	Direct Thermal Label, Receipt & Ticketing on Media up to 0.15mm thick					
	TUP592 Presenter TUP542 no Presenter TMP500 Mech Modular Solution	TUP992 Presenter TUP942 no Presenter TMP900 Mech Modular Solution with A4 scale function	SK1-22 / SK1-32 "Bucket Drop-In & Print" style Open Frame printers with email status feature	SK1-21 / SK1-31 No Presenter SK1-21-LP / SK1-31-LP Presenter (use SK1-211/311 for new projects) with email status feature	SK1-211 / SK-311 No Presenter SK1-211-LP / SK1-311-LP Presenter with email status feature	SK1-41 No Presenter SK1-41-LP Presenter with email status feature
Max Print Speed	220mm/sec.	150mm/sec.	200mm/sec.	200mm/sec.	250mm/sec.	150mm/sec.
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi
No. of Columns	48 / 64 or 53 / 71 col. Depending on Paper Width	A4 Print Capability on 112mm Paper with Auto Scaling Software	Max 56 or 80 col. depending on printer model	Max 56 or 80 col. depending on printer model	SK1-211: Max 56 col. SK1-311: Max 80 col. Depending on Paper Width	Max 104 col. (8x16) Max 69 col. (12x24) Depending on Paper Width
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 or Partial (Guillotine) Full only with Presenter	Full or Partial (Guillotine) Full only with Presenter	Full or Partial (Guillotine) Full only with Presenter
Paper Width	45 – 82.5mm Adjustable	80 – 112mm Adjustable	SK1-22: 58 / 60mm SK1-32: 58 / 60 / 80 / 83mm	SK1-21: 58 / 60mm SK1-31: 58 / 60 / 80 / 83mm	SK1-211: 58 / 60mm SK1-311: 58 / 60, 80 / 83mm	80 / 83 / 112mm
Paper Thickness	0.065 – 0.15mm	0.065 – 0.15mm	0.059 – 0.15mm	0.059 – 0.15mm 0.10mm with presenter	0.059 – 0.15mm 0.10mm with presenter	0.059 – 0.15mm 0.075mm with presenter
Paper Roll Standard	Standard: 150mm RHU Option: 254mm (180mm vertical)	Standard: 150mm RHU Option: 254mm (180mm vertical)	83mm (uses standard 80mm receipt roll)	Standard: 120mm 200mm option – talk to Star Support@Star-EMEA.com	Standard: 120mm 200mm option – talk to Star Support@Star-EMEA.com	Standard: 120mm 250mm option HL3-SK141
Media Presentation	Front exit on all versions with LED Bezel option (do not use labels with presenter)	Front exit on all versions with Metal Bezel option (do not use labels with presenter)	Front exit with Plastic or LED paper exit Bezel options	Front exit on all versions with LED or Plastic Bezel options (do not use labels with presenter)	Front exit on all versions with built-in LED Bezel Presenter (no labels), LED or Plastic Bezel options	Presenter with Document Capture (not for labels). Plastic Paper Exit Guide option
Print Width	80mm	104mm with scaled A4 Print on virtual A6 paper	SK1-22: 54 / 56mm SK1-32: 54 / 56 / 72 / 80mm	SK1-21: 54 / 56mm SK1-31: 54 / 56 / 72 / 80mm	SK1-211: 54 / 56mm SK1-311: 54 / 56 / 72 / 80mm	72 / 80 / 104mm
Sensors	Black Mark, Adjustable Paper End with 80cm cable, Near End & Paper Low	Black Mark, Adjustable Paper End with 80cm cable, Near End & Paper Low	Paper Near End, Paper Empty, Head Open Sensor, Black Mark Sensor, Gap Sensor (option on SK1-22)	Paper Near End, Paper Empty, Head Open Sensor, Options: Black Mark Sensor (option SK1-31 only), Gap Sensor	Paper Near End, Paper Empty, Head Open Sensor, Black Mark Sensor, Gap Sensor	Paper Near End, Paper Empty, Head Open Sensor, Options: Black Mark Sensor & Gap Sensor
Interface	Supplied without Interface. Options: 9-pin or 25-Pin Serial (IFBD-HN03 or IFBD-HD03), Parallel (IFBD-HC03), USB (IFBD-HU07), Ethernet (IFBD-HE07)	Supplied without Interface. Options: 9-pin or 25-Pin Serial (IFBD-HN04 or IFBD-HD04), Parallel (IFBD-HC04), USB (IFBD-HU08)	Dual Interface – Serial & USB	Dual Interface – Serial & USB SK1-21-H / SK1-31-H 12V versions available for solar panel etc.	Dual Interface – Serial & USB	Dual Interface – Serial & USB
Unique Ethernet Print on Disconnection feature	Standard with IFBD-HE07 option	Contact Star for more details	No	No	No	No
Power Supply	External Option PS60	External Option PS60	External Option PS60 with CB-SK1-D3 cable	External Option PS60 with CB-SK1-D3 cable	External Option PS60 with CB-SK1-D3 cable	External, SA1-3A240 (optional)
Power Consumption	40.8W Printing 1.68W Standby	40.8W Printing 1.92W Standby	60W Printing 1.68W Standby	60W Printing 1.68W Standby	60W Printing 1.68W Standby	60W Printing 1.68W Standby
Operating Environment	Temperature: 0°C to +50°C Humidity: 10% RH to 80% RH	Temperature: 0°C to +50°C Humidity: 10% RH to 80% RH	Temperature: -20°C to +60°C Humidity: 20% RH to 85% RH	Temperature: -20°C to +60°C Humidity: 20% RH to 85% RH	Temperature: -20°C to +60°C Humidity: 20% RH to 85% RH	Temperature: -20°C to +60°C Humidity: 20% RH to 85% RH
Power Supply with Energy Star Certificate	External Option PS60	External Option PS60	External PS60 (option) with CB-SK1-D3 cable	External PS60 (option) with CB-SK1-D3 cable	External PS60 (option) with CB-SK1-D3 cable	External Option SA1-3A240 with Power Lead (not Energy Star qualified)
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 1.5 million cuts	60 million lines 1.5 million cuts
Dimensions (w x d x h) mm Weight	TUP592: 160 x 234.1 x 179 2.5kg TUP542: 160 x 185 x 179 2.3kg TMP500 Mech: 134.9 x 100.6 x 102.8 / 700kg	TUP992: 192 x 249.3 x 179 2.84kg TUP942: 190.7 x 199.1 x 179 2.54kg TMP900 Mech: 176.2 x 101 x 122 / 748g	SK1-22: 104 x 140.3 x 69.7 580g SK1-32: 128 x 174.5 x 74.2 730g	SK1-21: 104 x 129.2 x 73.6 525g SK1-31: 127 x 129.2 x 73.6 630g	SK1-211: 104 x 129.2 x 73.6 525g SK1-311: 127 x 129.2 x 73.6 630g	80mm roll: 160.9 x 143.1 x 76.3 120mm roll: 160.9 x 159.3 x 88.1 without presenter 885g
Document Capture	Document Capture	Document Capture	Document Capture	Document Capture	Document Capture	Document Capture
Peripheral Host Ports / Hub	None	None	None	None	None	None
Options	• Interfaces (see above) • Green & Red LED Bezel Snout TMP500 • Near End Sensor NEUT500 • 25cm Paper Roll RHUT500 See www.Star-EMEA.com	• Interfaces (see above) • Metal Paper Snout TUP9 • Near End Sensor NEU-T900 • 25cm Paper Roll RHU-T900 See www.Star-EMEA.com	• Serial cable CB-SK1-S4 • DC cable CB-SK1-D1 • USB cable BLM-1.5U • PS60 Power Supply • Plastic Bezel BZ-SK1 See www.Star-EMEA.com	Presenter options: • Standard PR-SK1 + LED Bezel Presenter PR2-SK1 • Plastic Bezel BZ-SK1-1/ BZ-SK-2 • LED Bezel LB-SK1-1B (no presenter use) • PS60 PSU + Connector CB-SK1-D3 • 20cm Paper Roll option – talk to Star Support@Star-EMEA.com	Presenter options: • Standard PR-SK1 + LED Bezel Presenter PR2-SK1 • Plastic Bezel BZ-SK1-1/ BZ-SK-2 • LED Bezel LB-SK1-1B (no presenter use) • PS60 PSU + Connector CB-SK1-D3 • 20cm Paper Roll option – talk to Star Support@Star-EMEA.com	• PSU SA1-3A240 • USB cable CB-SJ1-S1 • Connector CB-SK1-D3 • 25cm Paper Roll option HL3-SK141 See www.Star-EMEA.com

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

# Kiosk / Terminal






STAR PRINTER SERIES	TSP700II	TSP847II	SK1-22 / SK1-32	mC-Print3	TSP100	TSP654II	HI X CloudPRNT Interface
							
	Page 18	Page 19	Page 30	Pages 4-5	Pages 12-13	Pages 14-15	Page 7
Description	Packaged Specialist Kiosk / Terminal		New Open Frame & Packaged Tablet Terminal Printing Solutions				
	Direct Thermal Label, Receipt & Ticketing on Media up to 0.15mm thick		Direct Thermal Label, Receipt & Ticketing	Direct Thermal Receipt & Ticketing			
	TSP743II Robust 80mm Printer used in Kiosks all over the World – 10cm Paper Roll	TSP847II Unique 112mm Printer with 10cm Paper Roll replacing A4 printers with a lower Running Cost Solution	SK1-22 / SK1-32 "Bucket Drop-In & Print" style Open Frame printers with email status feature	mC-Print3L Front Loading / Paper Exit multi-interface cube printer with Lightning iOS and PC-Free, remote CloudPRNT with multi-Peripheral Hub	TSP143III USB Low, low cost Lightning iOS Packaged Printer able to connect directly to iOS tablets "Data & Charge" (NO Bluetooth / LAN needed)	TSP654II High speed, compact Packaged Printer with low cost Remote Printing / "PC-Free" CloudPRNT version with multi-Peripheral hub	TSP654II HI X / TSP743II HI X / TSP847II HI X / PC-Free, remote CloudPRNT Packaged Printers with multi- Peripheral hub
Max Print Speed	250mm/sec.	180mm/sec.	200mm/sec.	250mm/sec.	250mm/sec.	300mm/sec.	Varied up to 300mm/sec.
Resolution	203 dpi, 406 x 203 dpi selectable	204 dpi, 406 x 203 dpi selectable	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi
No. of Columns	48 / 64 or 53 / 71 col.	"Reduced" A4 print capability with Auto Scaling Driver	48 / 64 or 53 / 71 col.				
Autocutter	Full or Partial (Guillotine)	Full or Partial (Guillotine)	Full or Partial (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	TSP654II: Partial Cut (Guillotine), TSP743II / 847II: Full or Partial Cut
Paper Width	80mm (default) 82.5, 58mm selectable	112mm Standard 80mm Paper Guide option	SK1-22: 58 / 60mm SK1-32: 58 / 60 / 80 / 83mm	80mm (58mm with guide)	80mm (58mm with guide)	80mm (58mm with guide)	TSP654II: 80mm TSP743II: 80mm (82.5 & 58mm), TSP847II: 112mm
Paper Thickness	0.065 – 0.15mm	0.065 – 0.15mm	0.059 – 0.15mm	0.043 – 0.075mm	0.065 – 0.085mm	0.065 – 0.15mm	TSP654II: 0.053 – 0.085mm 743II / 847II: 0.065 – 0.15mm
Paper Roll Standard	100mm	100mm	83mm (uses standard 80mm receipt roll)	83mm	83mm	83mm	TSP654II: 83mm TSP743II / 847II: 100mm
Media Presentation	User Selectable Paper Delivery option with Mounting Bracket included & Optional Paper Exit Guide	User Selectable Paper Delivery option	Front exit with Plastic or LED paper exit Bezel options	Front Paper Exit / Front Paper Loading	Front feed in vertical position with "Drop-In & Print" paper loading. Vertical bracket included in box	User Selectable Paper Delivery option with Mounting Bracket included in box	Front feed in vertical position with "Drop-In & Print" paper loading. Vertical bracket included in box (not TSP847II)
Print Width	80mm max.	104mm	SK1-22: 54 / 56mm SK1-32: 54 / 56 / 72 / 80mm	72mm, 50.8mm (with guide)	72mm, 50.8mm (with guide)	72mm, 50.8mm (with guide)	TSP654II: 72mm, 50.8mm with guide, TSP743II: 80mm max. TSP847II: 104mm max.
Sensors	Black Mark, Paper End, Cover Open, Near End, Horizontal & Vertical	Black Mark, Paper End, Cover Open, Near End, Horizontal & Vertical	Paper near end, Paper Empty, Head open sensor, Black Mark sensor, Gap sensor (option on SK1-22)	Paper End, Near End, Cover Open	Paper End, Cover Open	Paper End, Near End, Cover Open	TSP654II: Paper End, Cover Open, Near End Sensor Horizontal & Vertical TSP743II / 847II: as before plus Black Mark
Interface	Serial, Parallel, USB and Non-Interface versions. Plug-in Options: Serial (IFBD-HD03), 9-Pin Serial (HN03), Parallel (HC03), Ethernet (HE07), WebPRINT (HE07X), HI X CloudPRNT (HI01X), New Bluetooth (Apple iOS, Android, Windows) versions available	Serial, Parallel, USB and Non-Interface versions. Plug-in Options: Serial (IFBD-HD03), 9-Pin Serial (HN03), Parallel (HC03), Ethernet (HE07), WebPRINT (HE07X), HI X CloudPRNT (HI01X), New Bluetooth (Apple iOS, Android, Windows) versions available	Dual Interface – Serial & USB	USB Traditional, Lightning iOS USB "Data & Charge", PC-Free remote CloudPRNT, LAN (LB version also features Bluetooth) plus 2 host ports	USB Traditional, Lightning iOS USB "Data & Charge" (Traditional USB cable included – for Lightning use the tablet cable provided by Apple)	Serial, Parallel, USB and Non-Interface versions. Plug-in Options: Serial (IFBD-HD03), 9-Pin Serial (HN03), Parallel (HC03), Ethernet (HE07), WebPRINT (HE07X), HI X CloudPRNT (HI01X), New Bluetooth (Apple iOS, Android, Windows) versions available	Star HI01X CloudPRNT Interface with LAN & USB plus 2 host ports. Can use WiFi Dongle option
Unique Ethernet Print on Disconnection feature	Standard with IFBD-HE07 & IFBDHI01X options	Standard with IFBD-HE07 & IFBDHI01X options	No	Yes	No	Standard with IFBD-HE07 & IFBDHI01X options	Yes
Power Consumption	43.2W Printing 3.6W Standby	48W Printing 2.88W Standby	60W Printing 1.68W Standby	36W Printing 1.44W Standby	38.4 Amps Printing 2.4 Amps Standby	45.6 Amps Printing 3.6 Amps Standby	TSP654II / 743II / 847II: 45.6A / 40.8 / 40.8W Printing 3.6A / 1.68 / 1.92W Standby
Operating Environment	Temperature: 5°C to 45°C Humidity: 10% to 90% RH	Temperature: 5°C to 45°C Humidity: 10% to 90% RH	Temperature: -20°C to +60°C Humidity: 20% to 85% RH	Temperature: 5°C to 45°C Humidity: 10% to 90% RH	Temperature: 5°C to 45°C Humidity: 10% to 90% RH	Temperature: 5°C to 45°C Humidity: 10% to 90% RH	Temperature: 5°C to 45°C Humidity: 10% to 90% RH
Energy Star Qualified Power Supply	External PS60 (option)	External PS60 (option)	External PS60 (option) with CB-SK1-D3 cable	External PS60C included	Internal with power cable included	External PS60 (option) included in price. Check with your reseller	External PS60
Reliability	60 million lines 2 million cuts	37 million lines 2 million cuts	60 million lines 1.5 million cuts	60 million lines 2 million cuts	60 million lines 1 million cuts	60 million lines 2 million cuts	60 million lines TSP847II 37 million lines 2 million cuts
Dimensions (w x d x h) mm Weight	147 x 213 x 148 1.75kg	180 x 213 x 148 1.9kg	SK1-22: 104 x 140.3 x 69.7 / 580g SK1-32: 128 x 174.5 x 74.2 / 730g	132 x 140 x 125mm 1.3kg	142 x 204 x 132 1.68kg	142 x 203.5 x 132 1.6kg	TSP654II: 142 x 203.5 x 132 / 1.6kg TSP743II: 147 x 213 x 148 / 1.75kg TSP847II: 180 x 213 x 148 / 1.9kg
Document Capture	No	No	No	No	No	No	No
Peripheral Host Ports / Hub	HI X version with 2 USB host ports for Star SCD222 Customer Display, Star 1D & Symbol / Zebra DS9208 2D scanners / WiFi Dongle	HI X version with 2 USB host ports for Star SCD222 Customer Display, Star 1D & Symbol / Zebra DS9208 2D scanners / WiFi Dongle	None	2 USB host ports for Star SCD222 Customer Display, Star 1D & Symbol / Zebra DS9208 2D scanners	None	HI X version with 2 USB host ports for Star SCD222 Customer Display, Star 1D & Symbol / Zebra DS9208 2D scanners / WiFi Dongle	2 USB host ports for Star SCD222 Customer Display, Star 1D & Symbol / Zebra DS9208 2D scanners / WiFi Dongle
Options	• Blue or Green & Red LED Paper Exit Guide • Various Plug-in Interfaces • Buzzer • VST700 Desk Boot • WiFi Dongle use with HI01X • Splash-Proof Cover • Star 1D BCR-POP Scanner • DS9208 2D Scanner • SCD222 Customer Display • Vertical Mount Bracket included in box See www.Star-EMEA.com	• Buzzer • Various Plug-in Interfaces • WB-T800 Wall Bracket • VS-T800 Desk Boot • WiFi Dongle use with HI01X • Star 1D BCR-POP Scanner • DS9208 2D Scanner • SCD222 Customer Display • Buzzer BU01-24-A See www.Star-EMEA.com	• Serial cable CB-SK1-S4 • DC cable CB-SK1-D1 • USB cable BLM-1.5U • PS60 Power Supply • Plastic Bezel BZ-SK1 See www.Star-EMEA.com	• WB-MC30 Wall Mount Bracket • Star 1D BCR-POP Scanner • DS9208 2D Scanner • SCD222 Customer Display • Buzzer BU01-24-A See www.Star-EMEA.com	TSP100 & TSP654II options: • VS-T650/100 Vertical Desk Stand • Buzzer BU01-24-A • T100/650 Splash-Proof Cover • Vertical Mount Bracket included in box See www.Star-EMEA.com	• Star 1D BCR-POP Scanner • DS9208 2D Scanner • SCD222 Customer Display • Kitchen Buzzer • Other Plug-In Interfaces • WiFi Dongle • Splash-Proof Cover • Vertical Mount Bracket included in box See www.Star-EMEA.com	• Star 1D BCR-POP Scanner • DS9208 2D Scanner • SCD222 Customer Display • Kitchen Buzzer • TSP847II WB-T800 Wall Mount Bracket • Buzzer • TSP743II Blue or Green & Red LED Bezel • Other Plug-in interfaces + WiFi Dongle See www.Star-EMEA.com

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



SPECIFICATIONS

SPECIFICATIONS


## Mobile / mPOS

STAR PRINTER SERIES	SM-L200	SM-L300	SM-S230i	SM-T300i	SM-T400i
	 Label Support 4.0 Bluetooth	 Label Support 4.0 Bluetooth		 COMPLIANT IP54	 Label Support COMPLIANT IP54
Pages 21-23					
Description	Direct Thermal Mobile				
	Compact, 2" (58mm) Bluetooth / BLE Mobile Printer for Apple iOS, Android, Linux & Windows	Compact, 3" (80mm) Bluetooth / BLE Apple iOS & Android Bluetooth Mobile Printer able to print 40-80mm Receipts & Traditional / Repositionable Liner-free Labels with 43 hour battery	Compact, 2" (58mm) Apple iOS & Android™ Bluetooth Mobile Printer	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)
Max. Print Speed	35mm/sec.	65mm/sec.	80mm/sec.	75mm/sec.	80mm/sec.
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi
Tear Bar / Autocutter	Tear Bar	Tear Bar	Tear Bar	Tear Bar	Tear Bar
Paper Width	58mm	40 – 80mm adjustable	58mm	80mm	112mm
Paper Thickness	0.053 – 0.12mm	0.053 – 0.085mm Labels up to 0.15mm MaxStick up to 0.086mm	0.06 – 0.07mm	0.06 – 0.07mm	0.06 – 0.07mm
Paper Roll (diameter)	40mm	57mm	40mm	50mm	50mm
Media Presentation	Desktop Cradle operation, Horizontal Desktop or Vertical Belt Strap	Desktop Cradle operation, 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
Print Width	48mm	32 – 72mm	48mm	72mm	104mm
Sensors	Paper End, Cover Open, Black Mark	Paper End, Cover Open, Black Mark, Transmissive Gap	Paper End, Cover Open, Black Mark	Paper End, Cover Open, Black Mark	Paper End, Cover Open, Black Mark
Interface	Bluetooth 3.0/4.0 USB charging / communication cable included	Bluetooth 3.0/4.0 USB charging / communication cable included	Bluetooth (2.1), iOS (MFI), USB communication cable included	Bluetooth (2.1), iOS (MFI), RS-232 Serial (cable included)	Bluetooth (2.1), iOS (MFI), RS-232 Serial (cable included)
Emulation	StarPRNT	StarPRNT	StarPRNT & ESC/POS™	StarPRNT & ESC/POS™	StarPRNT & ESC/POS™
Drop Test	1.2m	1.2m	1.5m	1.5m (MSR Model: 1.2m)	1.5m (MSR Model: 1.2m)
Power Supply	Desktop Cradle or USB charging / communication cable included	Desktop Cradle or USB charging / communication cable included	AC Charger & Battery Pack included	AC Charger & Battery Pack included	AC Charger & Battery Pack included
Power / Battery Life	3.7V rechargeable battery offering 13 hours printing at 5 minute printing intervals	7.4V rechargeable battery offering 43 hours printing at 5 minute printing intervals	7.4V rechargeable battery offering 19 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
Reliability	37 million lines 50km	37 million lines 50km	37 million lines 50km	37 million lines 50km	37 million lines 50km
Dimensions (w x d x h) mm Weight	83 x 122.5 x 44 220g (including battery)	119 x 146 x 69 540g (including battery)	80 x 114 x 44 217g (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)
Included in box with printer at purchase	• Battery Pack • Sample Paper Roll • Belt Clip • Safety Instruction Sheet • USB Cable	• Battery Pack • Sample Paper Roll • Belt Clip • Safety Instruction Sheet • USB Cable	• 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
Options	• Desktop Cradle Charger • In-vehicle Mount Bracket • Extra Battery Pack • Star WebPRNT Browser App download from the App Store & Google Play	• Desktop Cradle Charger • In-vehicle Mount Bracket • 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 • 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	• 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



## Matrix

SP298	SP700 Series
	
Page 26	Page 27
9-Pin High Quality, Bi-Directional Impact Printers	
9-pin Matrix Slip Printers with Letter Descenders	UNIQUE 9-pin Red / Black Dot Matrix Printer Series
3.1 lps	4.0 to 8.9 lps
7 x 9 half dot	7 x 9 half dot
Slip Printer	Tear Bar and Full / Partial (Guillotine), Autocutter, Rewind models
up to 182mm	76mm default, 69.5, 58mm
0.09 – 0.20mm / 1+2 copies	0.06 – 0.085mm / 1+2 copies
Slips only	85mm
Horizontal mode	Vertical or Horizontal mode
63mm	63 / 60 / 45mm
AutoSide Loading	Paper End (Near End option)
StarPRNT & ESC/POS	StarPRNT & ESC/POS™
External Option PS60	Internal with cable provided
9 million lines	22 million lines 1 million cuts
• Ribbon • Manual • Ferrite Core • Fastener	• Ribbon • Set-Up Guide • Internal Power Lead • Paper Guide
• PS60 Power Supply	• Buzzer Alarm • Wall Mount Kit • Vertical Kit • SP700R Paper Rewind version

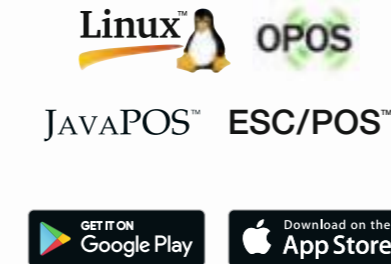
## Hybrid

HSP7000

Page 26
Matrix / Thermal 2 Station Printer
High Speed 203 dpi Thermal Receipt & Matrix Cheque / Slip Printer
250mm/sec. up to 8.9 lps
203 dpi / 9-pin
Partial Cut (Guillotine)
Thermal: 58, 76, 80mm Matrix: 68 – 230mm
Thermal: 0.065 – 0.085mm Matrix: 0.09 – 0.31mm
Thermal: 83mm
Horizontal model Top Receipt / front Slip delivery
Thermal: 72mm Slip: 85.4mm max.
Paper End, Near End option, AutoSide Loading & Cheque validation
RS232C or Parallel
StarPRNT & ESC/POS
External Option PS60
60 million lines Slip: 37 million lines
• Ribbon • Paper • Set-Up Guide • Paper Guide • Power Switch & Interface Covers
MICR versions • HSP7643: Top position • HSP7743: Bottom position • HSP7543: Non-MICR version

## Specialist Thermal, Lottery & Ticketing

TSP1000	TSP-L10
	
Page 24	Page 25
Star Specialist Direct Thermal Printers with Receipt / Ticket Stacker	
One of the World's most successful Lottery Printers	High Performance Secure Transaction Printer able to print and stack 100 Tickets
180mm/sec.	300mm/sec.
203 dpi	203 dpi
Full Cut (Guillotine)	Full Cut (Guillotine)
45 – 82.5mm Adjustable	82.5mm
0.065 – 0.15mm	0.075 – 0.09mm
▶ 180mm ◀	▶ 200mm ◀
30 Receipt / Ticket Stacker	100 Receipt / Ticket Stacker
80mm	80mm
Paper End, Near End & Stacker	Black Mark, Cover Open, Paper End, Near End (4 position)
Serial, Parallel or USB as Standard. Ethernet Options. 3rd Party WiFi / Bluetooth options	High Speed USB 2.0 + USB Host and Ethernet
StarPRNT & ESC/POS™	StarPRNT & ESC/POS™
External Option PS60	External Option PS60
60 million lines 1 million cuts	60 million lines 2 million cuts
• Three colour versions available: Cherry Red, White or Charcoal Grey	• TSPL11 Internal Print Verification Scanner version

# Star Integration & Developer Tools



## We're Here To Help Every Step Of The Way

The Traditional POS, Tablet POS and Kiosk software world is becoming simpler with many developers expecting more complex hardware integration tools to simplify and reduce development costs. Star has risen to this challenge with multiple OS tools for both the traditional and more mobile POS environments.

These are just a few of the 'well-documented' tools available from [www.starmicronics.com/support](http://www.starmicronics.com/support) and [support@star-emea.com](mailto:support@star-emea.com) and we welcome any questions by phone or email. In fact why not use us for a more consultative approach as our experience is hard-earned from helping retailers and integrators of all sizes from around the world.

### Star Drivers

Star offers extensive free-to-download drivers from [www.starmicronics.com/support](http://www.starmicronics.com/support) See our connectivity pages 8 & 9 to find out more about our printer compatibility.

### Cloud, Plug-in and Platform independent Development

 **Xamarin** Multi-platform Xamarin SDK available

 **WooCommerce** WooCommerce remote printing plug-in available

 **Magento** Magento support on request



**StarPRNT SDKs**  
Develop for one product using the StarPRNT SDK and benefit from the availability of the **entire Star range**. Star supports both "rich sample codes" for flexible application development and "new API" for easier application development.



Star's **CloudPRNT** technology allows remote printing directly and securely from your web server to printers anywhere in the world without complicated network integration etc. Just purchase a HI X printer or upgrade your current Star direct thermal **TSP6541I**, **TSP7431I**, **TSP8471I** or matrix **SP700** and **YOUR** Cloud services will take control. Also available across the **mC-Print** series using the LAN port.



### 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.

### www.StarVIP.Club for Star Developers, Software Houses and Kiosk Builders

The **Star VIP Club** for Software Developers, System Integrators and Kiosk Builders offers a range of exclusive Sales, Marketing and Technical benefits. Members can also take part in competitions, receive rewards and support, as well as benefit from a number of additional initiatives.

Membership status (Gold/Silver/Bronze) is allocated based upon pre-determined criteria set out by Star Micronics EMEA. Find out more and apply at [www.StarVIP.Club](http://www.StarVIP.Club) today!



 FileMaker.

 Safari  Chrome

 GET IT ON Google Play  Download on the App Store

**Interactive Star Developer Tools demo applications available at:**  
[www.Webprnt.com/demofiles](http://www.Webprnt.com/demofiles)

