POS Printing Solutions

PIONEERING TRADITIONAL AND TABLET POS TECHNOLOGY

Telephone +44 (0) 1494 471111 or visit our websites at:

www.Star-EMEA.com · www.Star-MEast.com · www.Star-POSIndia.com
www.Star-Russia.com · www.Star-POSAfrica.com
Global Support: www.StarMicronics.com/support

Fax: +44 (0) 1494 473333 · Email: sales@Star-EMEA.com · Technical Support: support@Star-EMEA.com

New product information can be found at:

www.*futurePRNT*.com · www.mPOP.com

The **2020** Collection

Contents

A global manufacturer of POS hardware, Star Micronics has been supporting retailers for over 30 years to deliver efficient, reliable store solutions. At the forefront of product innovation and with a reputation for quality and reliability, Star manufactures the largest range of POS, mPOS and Kiosk printers and accessories currently available giving retailers a wider choice than ever before to meet individual Point of Sale requirements.

Delivering low cost, sophisticated and sustainable solutions…

Star's solutions provide fast, reliable printing for traditional POS, ticketing and labelling applications along with the flexibility needed to integrate with the very latest Tablet, Cloud and Omni-Channel POS and hospitality solutions. Star's dedication to leading advances in POS innovation alongside unique Star-developed technologies such as CloudPRNT™ and new SteadyLAN™ has ensured successful installations into some of the world's largest retailers.

More than just printers…

Star's success is built upon product innovation alongside strong relationships with the market's leading software partners, developers and systems integrators which has led to a range of Cloud, Plug-in and platform independent integration tools to simplify and reduce development costs.

For software developers, Star's intuitive Software Developer Kits (SDKs) together with an experienced customer success team ensures simple integration of Star POS and mobile printers and accessories with the latest web and cloud-based POS software as well as custom apps.

SteadyLAN

mC-Print™ | Changing the face of retail

Affordable, sophisticated, sustainable

Combining sophisticated features and high functionality, Star's mC-Print2™ and mC-Print3™ receipt printers have been designed to aesthetically match the sleek, modern design of tomorrow's retail and hospitality environments.

The feature-rich, front-exit printers provide exceptional connectivity for Traditional and Tablet POS including direct printing from web and cloud-based applications. Star's unique SteadyLAN™ connectivity provides data, charging and network connectivity directly to supported tablets without the need for WiFi – the stability of a cabled connection with the flexibility of a Tablet POS System is now possible.

▶ Feature-rich 2" and 3" receipt printers

▶ Stylish and compact design

▶ Superior connectivity for Tablet POS

▶ Direct web and cloud printing

▶ Paper saving features

▶ Hub functionality to directly control peripherals

▶ Star's unique SteadyLAN technology provides data, charging and network connectivity directly to supported tablets without the need for WiFi

Key applications

⚡ Traditional or Tablet POS

⚡ Retail
Receipts, coupons, click & collect

⚡ Hospitality
Receipts, on-line food orders

mC-Print2

mCP20 – Ethernet LAN, USB, CloudPRNT

mCP21LB – Ethernet LAN, USB, iOS USB with SteadyLAN, Bluetooth, CloudPRNT + 2 USB Host Ports

■ 100mm/sec 58mm front paper exit, top-loading thermal receipt printer
■ Compact, stylish design
■ Up to 5 interfaces including USB, LAN, Bluetooth, iOS USB with SteadyLAN connectivity for iPad/iPhone plus Star CloudPRNT technology
■ Flat receipt design

■ Hub functionality – cash drawer and buzzer port plus 2 USB Host ports to connect additional peripherals (scanners, RFID devices, Star display)
■ Access to Star Cloud Services with digital receipting and Device Management

mC-Print3

mCP30 – Ethernet LAN, USB, CloudPRNT

mCP31L – Ethernet LAN, USB, iOS USB with SteadyLAN, CloudPRNT + 2 USB Host Ports

mCP31LB – Ethernet LAN, USB, iOS USB with SteadyLAN, Bluetooth, CloudPRNT + 2 USB Host Ports

mCP31C* – Ethernet LAN, Android/Windows USB-C with SteadyLAN, CloudPRNT + 2 USB Host Ports

mCP31CB* – Ethernet LAN, Android/Windows USB-C with SteadyLAN, Bluetooth, CloudPRNT + 2 USB Host Ports

(*available soon)

■ 250mm/sec 80mm front paper exit, front-loading thermal receipt printer
■ Compact, stylish design for under or top of counter or kiosk integration with Paper Near End Sensor (mCP31L/LB, mCP31C/CB)
■ Up to 5 interfaces including USB, LAN, Bluetooth, iOS USB or USB-C for Android/Windows/Linux with SteadyLAN connectivity for tablets plus Star CloudPRNT Technology

■ IPX2 Splash Proof design with insect prevention for hospitality environments
■ Flat receipt design
■ Hub functionality – cash drawer and buzzer port plus 2 USB Host ports to connect additional peripherals (scanners, RFID devices, Star display)
■ Wall Mount option

Sophisticated design

IPX2 CERTIFIED mC-Print3™

Unique Splash proof design with soft switches and raised control board for insect prevention.

Sustainability

11mm

Greene & Brown's
THE ORGANIC PROVISIONS PEOPLE
Date: 10/08/20   20.26
1 x Marmalade   £3.00
1 x Fish Pie   £4.80

Just 2mm

Greene & Brown's
THE ORGANIC PROVISIONS PEOPLE
Date: 10/08/20   20.26
1 x Marmalade   £3.00
1 x Fish Pie   £4.80
2 x Miso Soup   £3.50
1 x Veg Gyoza   £2.50
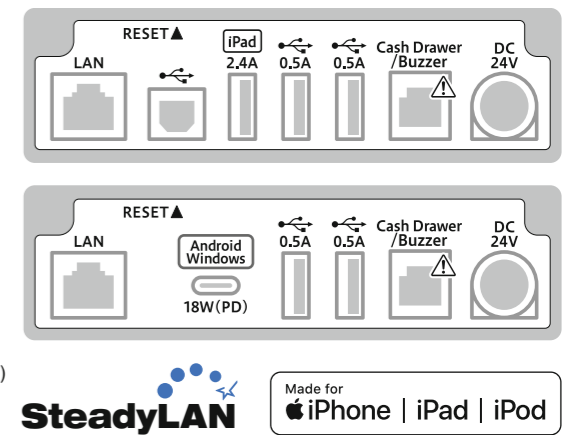1 x Cider   £3.50

The mC-Print3 offers easy paper saving with a 2mm top margin saving the planet's resources as well as reducing paper costs.

Flexible, upgradeable, connected

With the widest range of interfaces currently available, mC-Print printers provide seamless multi-platform connectivity whether you are printing from a PC, laptop, tablet or mobile device with a native application, cross platform environments such as Xamarin or web based applications.
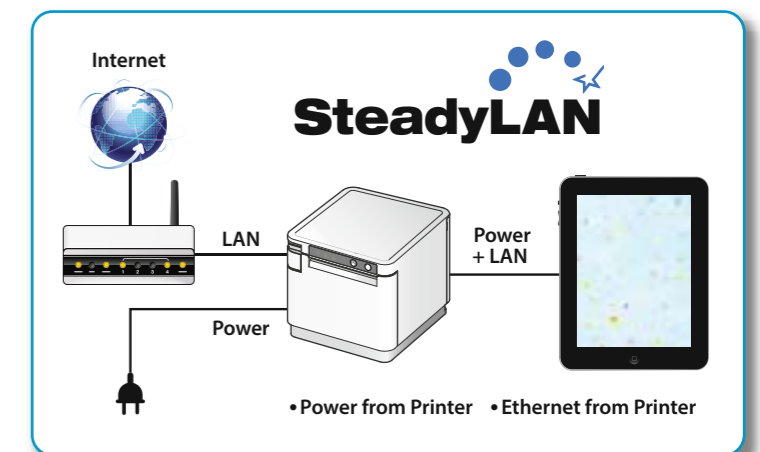
RESET▲ | LAN | iPad 2.4A | 0.5A | 0.5A | Cash Drawer/Buzzer | DC 24V

RESET▲ | LAN | Android Windows 18W(PD) | 0.5A | 0.5A | Cash Drawer/Buzzer | DC 24V

USB TYPE-C | HUB | | | iOS | Bluetooth

NEW mC-Print3 USB-C* versions available for Windows/Android devices:
mCP31C*, mCP31CB* – for Android, Windows, Linux, Mac with USB-C ports (with Power Delivery and SteadyLAN connectivity for supported tablets)
(*available soon)

SteadyLAN

Made for ⌘ iPhone | iPad | iPod

▶ SteadyLAN Network Connectivity

Reliable network access for Tablet POS

Star's unique **SteadyLAN** technology is the market's first POS solution to provide control of the printer and attached peripherals as well as Ethernet provision to tablets and mobile devices via the wired Ethernet port of the printer.

Simply by connecting a supported tablet to the mC-Print printer via the standard supplied USB cable and connecting the printer to the internet via a wired LAN connection, the tablet is able to connect to the internet without WiFi communication. At the same time, the tablet can communicate with the printer and its cabled peripherals via USB or LAN and the printer will also charge the tablet.

For locations where WiFi connectivity is not possible or unreliable, the stability of a cabled internet connection combined with the flexibility of Tablet POS is now possible.

See **www.Star-EMEA.com** for full connectivity information for each model.

Internet | **SteadyLAN** | LAN | Power + LAN | Power
• Power from Printer   • Ethernet from Printer

▶ Star CloudPRNT

Star CloudPRNT provides intelligent, driverless printing from a local web browser or from a web server from any connected network to Star printers anywhere in the world. This means unparalleled flexibility for remote receipt and remote order printing using a standard receipt printer with no complicated network configurations and no longer any need for a local POS terminal.

star cloudPRNT

▶ Hub Connectivity

Star's mC-Print printers feature a cash drawer/buzzer connector plus 2 additional USB Host Ports to connect additional peripherals such as Star's SCD222 customer display and a range of 1D and 2D barcode scanners and RFID devices. This means the printer can effectively act as a hub, controlling a range of peripherals plus offering tablet connectivity and charging at the same time.

HUB

RFID

▶ Simple set-up and Integration

Set-up has never been simpler with Star's StarPRNT driver for Windows devices and easy Bluetooth and Ethernet Setup. iOS and Android Utilities with on-line manuals and diagnostic support tools are available. For software developers, Star's multi-product API, Star IO, forms part of our Windows, iOS, Android and Linux based SDKs used by software houses worldwide integrating Star's feature-rich range of products. This, together with the back-up of Star's experienced technical support team, allows integration with platform specific, or web based/multi platform applications.

Android | iOS | Windows | Linux™

PC	Windows Driver, OPOS Driver, JavaPOS Driver, CUPS Driver
Tablet	StarPRNT SDK for iOS, Android & Windows
Web	WebPRNT (JavaScript, XML SDK) PassPRNT for iOS & Android (URL Scheme App)
Cloud	CloudPRNT (Direct Print from Server)

*m*POP™

THE MOBILE POINT OF PURCHASE SOLUTION

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

Models

- **mPOP** White & Silver
- **mPOP** White & Silver with barcode reader/scanner
- **mPOP** Black & Silver
- **mPOP** Black & Silver with barcode reader/scanner

Key applications

- ✔ Tablet POS
- ✔ Retail
- ✔ Hospitality
- ✔ Salon

Android | iOS | Windows
Bluetooth®

GET IT ON Google Play | Download on the App Store

Made for
 iPhone | iPad | iPod

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 Tablet POS.

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.

▶ 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 Star's Auto-Connect for Apple feature will automatically re-pair Apple devices.

▶ Secure

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. There is also a more secure under counter mounting option 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.

▶ 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.

You can easily add a 2nd cash drawer under your counter. Just 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.

▶ Software

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.

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mPOP accessories & options

Tablet Stand & mPOP Plate

Star 1D Scanner

SCD222 Customer Display

*m*C-Sound

2D Scanner

Under-counter mount kit

*m*C-Sound Melody Buzzer

3rd party Kensington lock

CB2002 Cash Drawer

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:
- **POPPack Tablet Stand and mPOP Plate** available in black or white
- **1D Scanner BCR-POP1** (black or white – check software support)
- **2D Scanner** (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
- **mC-Sound Melody Buzzer**
- **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 2nd cash drawer** option available in black or white

▶ Hub Connectivity

Star's mPOP features a cash drawer / buzzer connector plus additional USB Host Ports to connect USB peripherals such as Star's SCD222 customer display and a range of 1D and 2D barcode scanners or RFID devices.

This means the mPOP can effectively act as hub, controlling a range of peripherals plus providing connectivity for iOS/Android/Windows tablets and charging for iOS devices.

*m*POP

TSP100 Series

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

Key applications

- ✈ **Traditional or Tablet POS**
- ✈ **Retail**
  Receipts, coupons
- ✈ **Hospitality**
  Receipts, kitchen orders

ECO

- Star's *futurePRNT* Software with cost-saving marketing and multi-install tools
- ALL setup accessories in the box: wall mount kit, 58mm guide, Interface & power cable with plug & switch cover
- Free-of-charge Digital Receipting & online printer estate status tool
- 4 Year warranty including head & cutter
- Superior connectivity at entry-level pricing
- Internal power supply with cable
- Dark grey and ultra white models with matching cash drawers
- Thin paper capable (0.053mm)
- Energy Star Compliant

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 up to 70%.

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 from, and charge, an iPad or iPhone directly 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 graphical 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

WiFi READY

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.

TSP143IIIBI Bluetooth

250mm/sec. Bluetooth Receipt Printer

The TSP143III BI Bluetooth printer is fast, compact and easy to set up with iOS, Android or Windows tablets. MFi certification and AutoConnect feature (after power-on or out of range situation) for seamless connection to iOS devices. Star's WebPRNT Browser can be installed for direct printing from the web.

TSP100 options

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

Android | iOS | macOS | Windows | Linux™ | OPOS | JavaPOS™ | ESC/POS™

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

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.

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

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 installation 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

Receipt Redesign Tools for all TSP100 models

80mm | 80mm

Original Font Size

100% | 75%

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

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TSP100 ECO *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 for more information)

Receipt Printing on Demand with Automatic Operator Prompt

11mm | 3mm default

iOS Lightning cable port

Data & Charge

Unique Plug-in & Print for iPad 'Data & Charge'

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. Just check your software provider supports direct iOS communication with a Star printer or email **support@star-emea.com**

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

Made for iPhone | iPad | iPod

TSP650II Series

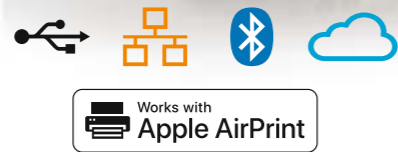*Entry level POS Receipt Printer with a range of plug-in interface options*

Models

Interface versions available:
- **TSP654II** Non interface
- **TSP654IID** Serial
- **TSP654IIC** Parallel
- **TSP654IIU** USB
- **TSP654IIE** Ethernet
- **TSP654IIBI** Bluetooth
- **TSP654II** AirPrint
- **TSP654II HI X** with CloudPRNT
- **TSP654SK** Re-Stick Label Printer

ENERGY STAR

Key applications

- ✓ Traditional or Tablet POS
- ✓ Retail
  Receipts, coupons, click & collect
- ✓ Hospitality
  Receipts, labels, on-line food ordering

Works with **Apple AirPrint**

A fast 300mm/second thermal POS receipt printer, the TSP650II offers versatility at all levels with a range of connection options for traditional EPOS as well as Tablet POS and web based systems. Retailers can choose to stick to a traditional PC-based system and then to switch to web or tablet solutions as they wish or to run both systems concurrently. The TSP650II combines high print quality and simple set up with Star's renowned reliability – all at great value.

- ■ Fast single station transaction receipt printer producing receipts and tickets at 300mm/sec.
- ■ High resolution print output 203dpi with standard and 2D barcode support
- ■ Energy Star Certified including PS60 power supply
- ■ Near end sensor for horizontal and vertical use
- ■ Ergonomic design with optional splash-proof cover
- ■ Star Auto-Logo™ 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
- ■ Digital Receipting available

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

Included in box at purchase:
Wall Mount Kit, Power Switch Cover, Sample Paper Roll, 58mm Paper Guide

TSP650II options

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

HI X plug-in interface option

Cloud ready for hospitality, retail and logistics!

star cloudPRNT
WiFi READY
AllReceipts™ Digital Receipting
PERIPHERAL READY
LAN | **Dual PORT** | **USB**
star webPRNT

TSP654II HI X

TSP654II AirPrint™

Works with **Apple AirPrint**

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

Star's **TSP654II AirPrint™** is the first 80 and 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 and WiFi use with an Apple WiFi Alliance certified dongle (EDIMAX EW-7811UN) included in the box with EU and UK power supplies.
(More information at www.Star-EMEA.com)

TSP654IIBI Bluetooth

High Performance, Entry Level MFi Bluetooth POS Printer with Cash Drawer Support

Bluetooth®

- ■ 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
- ■ Star PassPRNT Print Data Relay Application

TSP654II HI X with CloudPRNT

LAN / WiFi remote printing direct from your web server

- ■ 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
- ■ Star PassPRNT Print Data Relay Application

- ■ Dual Interface USB / LAN
- ■ Star's WebPRNT LAN platform independent HTML / JavaScript printing from the Web included free-of-charge, along with Star's AllReceipts Digital Receipting platform
- ■ Peripheral ready – 2 USB Host ports to control attached peripherals including scanners, customer display, RFID devices with no PC required

star cloudPRNT | **star webPRNT**

USB | **USB**

TSP654SK Re-Stick

Linerless label printer for variable length repositionable labels

- ■ The Thermal Post-It™ note solution for the POS market providing the ideal "Re-Stick" customer labelling solution for Pizzerias, Take-Out, Cafés, Promotional Couponing, Special Fast Food Orders etc.
- ■ Reduced speed version of TSP650 designed to work with self-adhesive media (contact Star for list of approved suppliers)

- ■ Environmentally friendly labelling with an increased percentage of labels available per roll and no wasted backing paper to dispose of

MAXSTICK innovation that sticks

Receipts, Labels & Ticketing for Retail

DINOSAUR MUSEUM
SATURDAY 3/8/20
Adult Admission: £10.00
5 002113 051579

BOOKSTORE £15
5 002113 051579

MANNINGS & CO. FASHION, HOME AND LIFESTYLE
£24
6 090067 543217

Little MONSTERS
Size: Small
£18
5 002113 051579

CARMICHAELS THE LIFESTYLE STORE
WAS £24
NOW £16
6 090067 543217

MUSEUM of FLIGHT
£17.50
6 090067 543217

CHAMPION SPORTS GEAR
Product Description: Airzone 4300
Item No: 13476936
£99.95
6 090067 543217

Greene & Brown's THE ORGANIC PROVISIONS PEOPLE
£12
5 002113 051579

EXPRESS LOGISTICS

Star's range of low cost, high quality, reliable label and ticket printers allow accurate, fixed length printing with high quality graphics and barcodes for a variety of retail and industrial applications including delivery services, shelf edge, ID and warehousing.

Compact and easy-to-operate, Star's range of desktop and portable barcode label and liner-less label printers are simple to integrate into your current system thanks to the option of wired and wireless connectivity as well as sophisticated drivers for a wide selection of operating platforms.

Star also offers retailers of all sizes the opportunity to use the same printer for standard receipting as well as "heavyweight" label or ticket printing. Star's reliable build quality is able to offer both functions.

Key applications

- **Retail**
  Shelf edge labelling, product labelling
- **Hospitality**
  Food labelling
- **Logistics**
  Warehouse, delivery
- **Kiosk**
  Lottery, ticketing

Made for
iPhone | iPad | iPod

Desktop and Mobile Receipt, Label and Ticket Printers

▶ **TSP700II**
80mm receipt, label and ticket printer – 10cm paper roll

▶ **TSP800II**
112mm receipt, label and ticket printer – 10cm paper roll

▶ **FVP10**
80mm front operating receipt, label and ticket printer – 8cm paper roll

▶ **TSP654SK**
Liner-less label printer for re-positionable labels

▶ **SM-L200**
58mm mobile receipt and label printer with Classic and Bluetooth 4.0 connectivity

▶ **SM-L300**
80mm mobile receipt and label printer with Classic and Bluetooth 4.0 connectivity

▶ **SM-T300i / SM-T400i**
80/112mm rugged Bluetooth mobile receipt and label printers

Labelling for all Environments...

What size do you need?

Star's high quality printers offer a variety of print widths from 32 to 104mm and 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 multiple labels per row.

For more information about labelling with our mobile printer range, please contact Star at **support@star-emea.com**

32 to 104mm print widths

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

80mm
(SM-L300)

40/48mm
(SM-L200)

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 temporary labelling.

Compact, lightweight printers for so many labelling environments:

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

MAXSTICK innovation that sticks

FVP10 Series

Front Operating, Under-Counter Thermal Receipt and Label Printer

nest HOTEL • SPA • RESTAURANT

ENERGY STAR

Models

Interface versions available:
- **FVP10U** Built-in USB interface with Parallel, Serial & Ethernet options
- **FVP10BI** Bluetooth version for Apple iOS, Android and Windows (MFi Certified)

Key applications

- **Retail**
- **Hospitality**
- **Logistics**
- **Kiosk**

- High quality 203 dpi output combined with speeds of up to 250mm/second
- High reliability – (60 million lines MCBF)
- Dual Interface with USB as standard and additional port for second plug-in options – Serial, Parallel, Ethernet. MFi certified Bluetooth version also available
- 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
- Digital Receipting available

FVP10 options & features

Under Shelf Mount option with power supply holder

FVP10 "Plug-in" 2nd interface option

CB2002 Cash Drawer
New grey or white versions

Unique Drawer Paper Loading

TSP700II Series

*Versatile High Speed **80mm** wide Barcode, Label, Receipt and Ticket Printers*

Models

Interface versions available:
- **TSP743IID** Serial Interface
- **TSP743IIC** Parallel Interface
- **TSP743IIU** USB Interface
- **TSP743II BI** Bluetooth
- **TSP743II HI X** with CloudPRNT
- **TSP743II** Non-interface version for use with low cost Ethernet (HE07) option

Key applications

- Retail
- Hospitality
- Logistics
- Kiosk

ENERGY STAR

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 cut) life 2 million cuts
- Ergonomic splash resistant design with easy-clean case and splash-proof cover available
- Double Density (406 x 203 dpi) for high quality graphics, 1D & 2D barcodes etc.
- Compatibility with all major operating platforms with a comprehensive suite of drivers including Microsoft WHQL certification for seamless USB integration
- Digital Receipting available
- Black mark sensor for fixed length labels and tickets

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

TSP700II features & accessories

Barcodes, labels, receipts and tickets, all from one model.

"Drop-In & Print" Easy Paper Loading

Splash Proof Cover

Wall Mount Kit

TSP800II Series

*Unique High Speed **112mm** wide Barcode, Label, Receipt and Ticket Printers*

Models

Interface versions available:
- **TSP847IID** Serial Interface
- **TSP847IIC** Parallel Interface
- **TSP847IIU** USB Interface
- **TSP847II BI** Bluetooth
- **TSP847II HI X** with **CloudPRNT**
- **TSP847II** Non-Interface version for use with low cost Ethernet (HE07) option
- **TSP847II AirPrint** A4 to virtual A6 replacement printer

Key applications

- Retail
- Hospitality
- Logistics
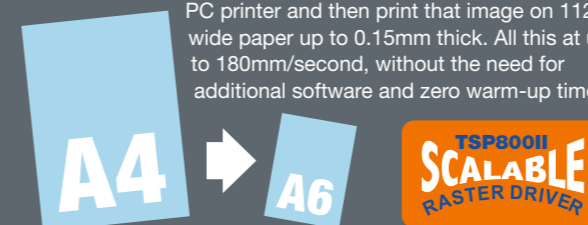- Kiosk

Works with Apple AirPrint

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
- Digital Receipting available
- Black mark sensor for fixed length labels and tickets

AUTOMATIC PAGE SCALING – A4 to A6

The TSP800II Scalable Raster Driver provides the ability to format a page or screen image in the same way as a standard PC printer and then print that image on 112mm wide paper up to 0.15mm thick. All this at up to 180mm/second, without the need for additional software and zero warm-up time!

A4 ➤ A6

TSP800II SCALABLE RASTER DRIVER

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

Apple AirPrint™

TSP847II – Apple AirPrint™ Certified 112mm Receipt, Label and Ticket Printer

Works with Apple AirPrint

Star TSP847II AirPrint is the first 112mm receipt, label and ticket AirPrint POS printer certified by Apple. AirPrint is an Apple technology providing easy mobile printing solutions for Apple iPad, iPhone and MacBook users on any private network.

Star's TSP847II AirPrint Solution will provide Ethernet and WiFi use with an Apple WiFi Alliance certified dongle included in the box with EU and UK power supplies.

Capable of scaling an A4 image onto 112mm wide paper, the TSP847II can be integrated as a cost effective receipt, ticket or label printer or an easy-to-use and compact alternative to standard A4 invoice or report printers in retail and hospitality environments with a faster print speed and significant paper and consumables cost savings.

Mobile Printing Solutions

Today's mobile workforce demands mobile printers that are light, fast and reliable indoors or out; whether you are producing labels for warehousing / logistics or providing on-the-go receipts for Tablet POS or Mobile Payment. Star's extensive range of feature-rich receipt and label printers provide the ideal solution.

Easy-to-use with simple paper loading and a long battery life, Star's range of Bluetooth mobile printers are ideal for printing high quality receipts, coupons, labels and tickets directly from tablets and smartphones. The latest SM-L Printers offer Micro USB Charging and traditional Classic Bluetooth connectivity as well as Bluetooth 4.0 (Bluetooth Smart / BLE) and can communicate with multiple iOS devices (no Pin required).

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

Key applications

- ✗ **Retail**
  Mobile receipts, product coupons
- ✗ **Logistics**
  Delivery labels and invoices
- ✗ **Transport**
  Mobile receipts and tickets
- ✗ **Hospitality**
  Mobile receipts, food labels

Android   iOS

Windows

Linux™

Made for
iPhone | iPad | iPod

star WebPRNT

Star WebPRNT Browser for Bluetooth Mobile

Star's platform-agnostic WebPRNT™ solution is designed to generate print data via a web browser to output directly to Star mobile printers using Star's WebPRNT Browser Software available from Google Play or the App Store.

Star's WebPRNT removes the issues usually associated with web-based printing by offering driverless printing capabilities for all receipt data, utilising HTML and JavaScript standards to provide consistent browser printing. Star WebPRNT supports all standard receipt requirements including logos and barcodes.

WebPRNT SDKs including a demonstration page are available from Star's Global Support Site

www.starmicronics.com/ support

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 and 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

SM-T300i

Rugged 3" / 80mm Bluetooth Receipt and Label printer with Auto-Reconnect

- Pairs with iPad, iPhone and iPod Touch (MFi certified) as well as Android and Windows devices via Bluetooth
- Wired Serial Connection RS-232
- Receipts and fixed length labels
- High resolution 203 dpi and 80mm/second print speed
- Rugged design with IP54 dust / splash-proof certificate
- 1.5m drop reliability
- Maximum 31 hour battery life, printing at 5 minute intervals
- SM-T301i version with 1&2 track magnetic stripe reader

THE INTERNATIONAL STANDARD **COMPLIANT IP54**

SM-T400i

Durable 4" / 112mm Bluetooth Receipt and Label printer with Auto-Reconnect

- Pairs with iPad, iPhone and iPod Touch (MFi certified) as well as Android and Windows devices via Bluetooth
- Wired Serial Connection RS-232
- Receipts and fixed length labels
- High resolution 203 dpi and 110mm/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 version with 1,2&3 track magnetic stripe reader

THE INTERNATIONAL STANDARD **COMPLIANT IP54**

SM-L200

Compact 2" / 58mm Bluetooth / BLE Receipt and Label printer with Micro USB Charging

- High resolution 203 dpi and 35mm/second print speed
- Super compact design just 122 x 83 x 44mm & weighing 220g 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®

SM-L300

Compact 3" / 80mm Bluetooth / BLE Receipt and Label printer with Micro USB Charging

- 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
- Bluetooth 4.0 allows the use of multiple iOS tablets as opposed to the traditional one-to-one
- SM-L304 version with Magnetic Stripe Reader

4.0 Bluetooth®

SM-L200 / SM-L300 options

5V Desktop Charging Cradle

- Convenient presentation angle for desktop receipt or label printing while charging
- 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

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 temporary labelling.

MAXSTICK innovation *that sticks*

Lottery and Ticket Printing Solutions

Star has been successfully supplying printing solutions to the world's largest lottery installations for more than three decades.

The TSP700II 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 dedicated lottery printer for 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

Models

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

Key applications

- Ticketing and Lottery
- Retail
- Logistics
- Hospitality

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

TSP-L10 Series

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

Models

Interface versions available:
- **TSP-L10UE** Dual USB and Ethernet Interfaces and USB Host
- **TSP-L11UE** Dual USB and Ethernet Interfaces with USB Host and internal ticket scanner for verification / journaling

Key applications

- Ticketing and Lottery
- Retail
- Warehouse / Logistics

TSP-L10 connectivity

Dual USB and Ethernet interface

Designed for Linux, the TSP-L10 series has been built specifically for OEMs and system integrators who require a level of hardware flexibility for the addition of other devices such as RFID readers using the TSP-L10's USB Host Port. With the Linux Star IO and QT library, the TSP-L10 offers the ultimate in flexible application development.

- High speed printing performance with high resolution 203 dpi output and 16 shade Greyscale for accurate image printing
- Compact design with easy load 200mm diameter paper roll and ticket stacker for up to 100 printed receipts / tickets
- TSP-L11 model includes 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

20cm High Capacity Paper Roll

20cm

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

Matrix and Slip Printers

Models

Interface versions available:
- **SP298 MD** Serial Version
- **SP298 MC** Parallel Version
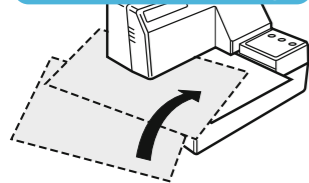- USB to either of the above is possible via a 3rd party adapter

Ribbons:
- **RC200B** Black Ribbon
- **RC200BR** Red/Black Ribbon

Key applications

- **Pharmacy**
  Prescription endorsement
- **Hospitality**
  Hotel invoicing, restaurant receipting
- **Retail**
  Point-of-Sale

SP298 AutoSide Loading™

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
- 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

Models

Interface versions 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)

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

Interface options:
- Serial HD04, 9-pin Serial HN04, Parallel HC04, USB HU08, LAN HE08

Ribbons:
- **RC7KB** Black Ribbon

Key applications

- **Retail**
  Point-of-Sale, coupon redemption, cheque printing
- **Hospitality**
  Hotel invoicing, restaurant receipting

HSP7000 Series

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

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

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

ENERGY STAR

SP700 Series

Advanced, High Speed, *Red* & Black Matrix Receipt / Kitchen Printer

With its fast print speed of up to 8.9 lines per second, Clamshell™ design for easy paper loading and compact vertical or horizontal printing, the SP700 is a reliable receipt and kitchen printer for retail and hospitality applications.

- 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
- Plug-in interface options incuding HI X interface with Star WebPRNT and Star CloudPRNT for web and cloud based printing
- SP742BI MFi Bluetooth version with Auto-Connect
- Wall mount/desk book and kitchen buzzer options available
- Dimensions: 160 (w) x 245 (d) x 152 (h) mm

Models

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

Interface versions available:
- **SP712/742** No interface
- **SP712/742D** Serial
- **SP712/742C** Parallel
- **SP742E** Ethernet
- **SP742BI** Bluetooth

Interface options:
- **HU08** USB Plug-in interface available
- **HI02X** Plug-in HI X interface with CloudPRNT

Ribbons:
- **RC700B** Black Ribbon
- **RC700D** Laundry Ribbon
- **RC700BR** Red/Black Ribbon

Key applications

- **Hospitality**
  Kitchen printer, restaurant receipting
- **Retail**
  Point-of-Sale receipting, dry cleaning

SP700 options & features

MFi Bluetooth version

Made for
iPhone | iPad | iPod

Easy Cleaning & Maintenance

Vertical or Horizontal use

"Plug-in" Interfaces
- Serial, Parallel, USB, Ethernet
- HI X Connect

star
cloudPRNT

Two Colour, High Quality Graphics Printing

Kiosk Printing Solutions

As a leading provider 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.

The Star Choice

Specialist Packaged

Star's packaged printers offer ease of installation, a variety of interface options and are CloudPRNT 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
- TSP700II and TSP800II for labelling and 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)
- 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 TSP143IIIU for direct USB "data & charge" from the printer to iOS devices via the Lightning cable. mC-Print3 also offers SteadyLAN connectivity for direct cabled internet access to tablets. Bluetooth, LAN & Cloud receipt, label & ticket printer solutions on media up to 0.15mm are also available. Star's range includes:

- **Packaged Printers:** TSP100, TSP654/mC-Print with partial cut and Near End Paper Sensor

- **Open-Frame Printers:** including the Sanei range – SK1-221/SK1-321 "bucket" paper loading versions with Bezel option

UNIQUE Connectivity options tailored for Tablet Terminals:
- TSP143IIIU with USB "data & charge"and mC-Print with SteadyLAN & CloudPRNT. HI X Printer Series with CloudPRNT
- mC-Print and HI X Series hub functionality with 2 USB host ports to directly control Star SCD222 customer display and a range of scanner and RFID devices
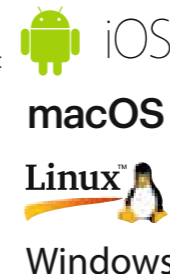- TSP654II and TSP847II AirPrint

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 USB host ports for SCD222 customer display and a range of different scanners as well as remote communication.

2 USB Host Ports

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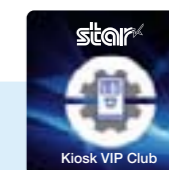
The Star Difference

Integration Made Easy

Star's investment, expertise and relationships with industry giants such as Microsoft, Google 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.

iOS
macOS
Linux™
Windows

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**
- Remote firmware updates removing the need for site visits
- Print Verification Status feedback
- Remote communication – CloudPRNT 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

Kiosk VIP Club

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

Sanei Kiosk Printer Series

Entry-level, Super-Compact, Open Frame Printers

Star is now providing a wide range of Sanei kiosk mechanisms for limited space enclosures. Available in 2", 3" and 4" widths with gap / black mark sensor for label printing, the Sanei range of barcode, ticket, receipt and label kiosk mechanisms offer fast, high quality 203 dpi printing at speeds up to 250mm/second.

Sanei kiosk printers are low profile and ultra-light weight with flexible mounting options including vertical orientation 90° position for the thinnest of vertical footprints matching today's latest generation of slim-line kiosks.

Contact support@Star-EMEA.com for full specifications and options

SK1-211/311 Series

Compact and ultra-lightweight 2" 58 mm and 3" 80mm open frame kiosk printers

- Max. 250mm/sec print speed ■ Max. φ120mm paper roll as standard. 250mm option
- Max. 150µm paper ■ Auto-loading function ■ Selectable partial or full cut ■ Dual Serial and USB interface ■ StarPRNT or ESC/POS™ with Windows, Linux and Android drivers

SK1-221/321 Series

Compact and ultra-lightweight 2" 58 / 80mm and 3" 80mm "Bucket" Style Printers with "Drop-In & Print" paper loading

- Max. 250mm/sec print speed ■ Max. φ83mm paper roll as standard ■ Max. 150µm paper
- Auto-loading function ■ Selectable partial or full cut ■ Dual Serial and USB interface
- StarPRNT or ESC/POS™ with Windows, Linux and Android drivers

SK1-41 Series

Wide format 4" 112mm open frame kiosk printer

- Max. 150mm/sec print speed ■ Max. φ120mm paper roll as standard. 250mm option
- Max. 120µm paper ■ Easy Paper insert with fully opening cover ■ Selectable full or partial cut
- Dual Serial and USB interface ■ ESC/POS™ with Windows, Linux and Android drivers

SK4-21/SK4-31 Series

Compact, economical 2" 58mm and 3" 80mm open frame kiosk printers

- Max. 150mm/sec print speed ■ Max. φ83mm paper roll ■ Max. 85µm paper
- 3 paper positions ■ LED Bezel and Anti-Paper Jam Bezel options available
- Windows Utility drivers with remote status monitor ■ Selectable full and partial cut
- Dual serial and USB interface ■ ESC/POS™ compatible ■ Auto-loading function

SK1-21H/31H Series

Compact 2" 58mm and 3" 80mm kiosk printers with 12V power supply

- Max. 150mm/sec print speed ■ Max. φ120mm paper roll as standard. 250mm option
- Max. 100µm paper ■ Selectable full and partial cut ■ Energy Saving mode
- Wide operating temperature range ■ Easy paper loading with side open head
- Dual serial and USB interface ■ ESC/POS™ compatible ■ Auto-loading function

Sanei options & features

| Vertical paper position options | LED Presenter options | Paper holder and paper arm options | Flashing LED and anti-jam bezel options |

For full range of Sanei options, please contact support@star-emea.com

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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

TUP500 features

TUP500 Programmable LED Flashing Paper Exit Guide

Easy Paper Load – simply "lift and tilt" mechanism and insert paper

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

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

Models

Models available:
- **TUP592** Open Frame Printer with Presenter
- **TUP542** Open Frame Printer without Presenter for labels

Interface options:
- USB HU07, Ethernet HE07, Serial HD03, Parallel HC03

TUP options

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

"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

Models available:
- **TUP992** Open Frame Printer with Presenter
- **TUP942** Open Frame Printer without Presenter for labels

Interface options:
- USB HU08, Serial HD04, Parallel HC04

Star Intelligent Printing and Connectivity

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

Star's success is built upon product innovation along with strong relationships with the market's leading software partners, developers and system integrators which has led to a range of Cloud, Plug-in and platform independent integration tools to simplify and reduce development costs.

These are just a few of the 'well-documented' tools available from **www.starmicronics.com/support** and **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 CloudPRNT

Star's CloudPRNT technology is an HTTP, JSON based protocol for remote printing directly from a web server to connected Star printers anywhere in the world and is available across Star's traditional and very latest range of printers.
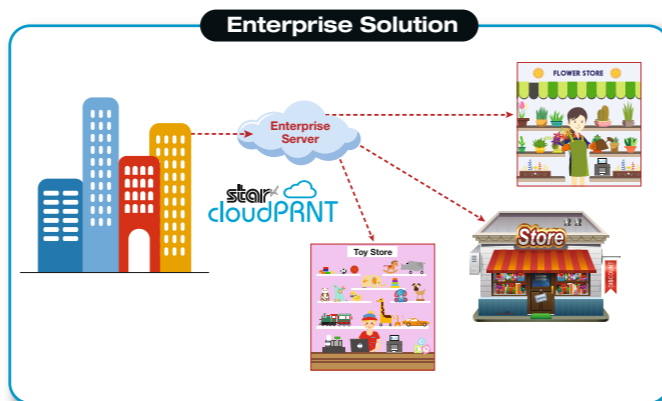
▶ **mC-Print Series**

Star's compact mC-Print printers provide the choice of 58mm or 80mm wide receipt printing using StarPRNT mode. All of the mC-Print Series is Cloud-ready, even the low cost, entry-level MCP20 and MCP30. Other models in the mC-Print Series feature 2 USB host ports for local or Cloud based peripheral control of Star's SCD222 customer display, 1D and 2D scanners or other supported peripherals.

▶ **HI X Connect Printers**

Star's HI X Connect Printers or HI01X/HI02X interface upgrade options provide connectivity at every level using Star Line mode. Printers can be future-proofed with the option to switch to Cloud POS at any time with the HI X Interface.

HI X Interface option

Enterprise Solution

Cloud ready for hospitality, retail and logistics!

The HI X Connect Interface offers dual USB/LAN connectivity plus WiFi using a locally sourced dongle. Star's WebPRNT, CloudPRNT and Cloud Services technologies are also included plus 2 additional USB host ports for control of the SCD222 customer display, 1D and 2D scanners or other supported peripherals.

The HI X Connect Interface is available for Star TSP654II thermal receipt printer, TSP700II and TSP800II receipt, barcode, label and ticket printers and SP700 matrix kitchen printers.

▶ **CloudPRNT SDK**

Star's new CloudPRNT SDK provides helper features able to assist with status decoding, print job media format negotiation, and print job conversion. For integration purposes it provides .NET API, CPUtil and Star Document Markup, a simple, easy to use markup language intended to provide the features typically required for Point Of Sale printing.

mC-Print2/3 | **TSP654II** | **TSP743II** | **TSP847II** | **SP742**

Star Drivers and StarPRNT SDK

Star's outstanding Software Development Support is unrivalled. Our multi-product API, Star IO, forms part of our Windows, iOS, Android and Linux based SDKs used by software houses worldwide integrating Star's feature-rich range of products. This, together with the back-up of Star's experienced support team, allows simple integration of platform-specific applications with Star products. For more information about integration support please contact us.

Star's extensive free-to-download drivers and SDKs are available from **www.starmicronics.com/support**

▶ **www.StarVIP.Club**

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** today!*

Star *futurePRNT*

Star's *futurePRNT* free-of-charge, value added software included with the TSP100 Series far exceeds installation tools normally provided, enabling users to install high volume, custom set-ups.

Users can pre-determine set-up requirements according to the operating platform selected as well as take advantage of the Receipt Re-design and Coupon Marketing tools which will work happily alongside the current installed POS software. Pre-install and Paper Saving tools are also included.

Further information about the TSP100 series software and installation tools can be found on the dedicated *futurePRNT* website **www.futurePRNT.com**

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

Star WebPRNT and PassPRNT

With the growing requirement to print from both mobile and desktop applications to receipt printers; Star's platform-agnostic **WebPRNT™** solution is designed to generate print data via a web browser to output directly to any Star printer fitted with a WebPRNT interface or using Star's WebPRNT Browser Software. This includes Star thermal receipt, ticket, label and mobile printers as well as SP700 matrix kitchen printer.

For Android or iOS developers, Star's **PassPRNT** sophisticated print data relaying application 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 (Classic or BLE), LAN/WLAN or USB printer.
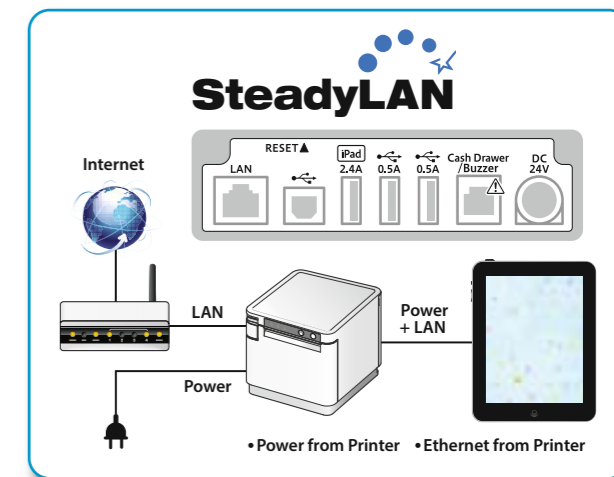
SteadyLAN

▶ **Network Connectivity**

Reliable network access for Tablet POS

Star's unique SteadyLAN technology is the market's first solution to provide control of the printer and attached peripherals as well as Ethernet provision to tablets and mobile devices via the wired Ethernet port of the printer.

Simply by connecting a supported tablet to the mC-Print printer via the standard supplied USB cable and connecting the printer to the internet via a wired LAN connection, the tablet is able to connect to the internet without WiFi communication. At the same time, the tablet can communicate with the printer via USB or LAN and the printer will also charge the tablet.

For locations where WiFi connectivity is not possible or unreliable, the stability of a cabled internet connection combined with the flexibility of Tablet POS is now possible.

SteadyLAN

Internet

LAN

Power

Power + LAN

• Power from Printer   • Ethernet from Printer

Star Cloud Services

Star Cloud Services has been established to bring IoT solutions to retailers by enabling Star Micronics POS printers in stores today to become cloud-connected devices.

Star Cloud Services offers a variety of services to enable retailers to better engage and activate shoppers. This includes **Star Digital Receipt Service** and **Device Management**, a Cloud Hardware Monitoring Service which enables the retailer to view connected printers and cash drawers in a Cloud based portal listing.

With Star's free of charge Digital Receipt Service with customer App, AllReceipts™, customers can simply scan the QR code on the bottom of the receipt of a participating retailer with the AllReceipts™ App and each receipt will be immediately stored digitally on their phone or mobile device. There's no need to give any personal details or e-mail address at the Point of Sale.

POS Peripherals

CB2002 Cash Drawer

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

CB-2002 options

- Driven by 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
- Dimensions: 410 x 415 x 114mm / 7kg
- **CB2002 FN** – 4 flat note clips and 8 coin slots
- **CB2002 UN** – 8 upright note and 8 coin slots

Upright notes tray

Tray with flat note clips

Scanners

▶ Star 1D Scanner

Available in black or white (for use with mC-Print Series, mPOP or HI X Connect printers with supported software)

▶ 2D Scanner

Available in black or white (for use with mC-Print Series, mPOP or HI X Connect printers with supported software).

Scans virtually any barcode on a variety of surfaces, from 1D barcodes on a paper label to 2D barcodes on displays or mobile phones, tablets and more.

- Scanner provides superior comfort in both hands-free and handheld scanning modes
- Contemporary design and small footprint

Star printers support a wide range of scanning devices – please contact Star for details.

Customer Displays

▶ Star SCD222 Customer Display

Star's new mini Customer Display has been designed to specifically work with Star's unique mPOP, mC-Print and HI X Connect printers through the USB port and is available in white or black casing.

- Star SDK 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

Buzzer Alarms

▶ mC-Sound

Part of **Star's mCollection**, the mC-Sound audible device features 16 pre-registered sounds and has a blue illuminated LED for visual alert. Users can select the sound and volume level from a host device. The mC-Sound can be installed on or in the casing of Star's mC-Print printers.

ᵐC-Sound

▶ Buzzer Alert BU104

Ideal for kitchens and high volume environments, the BU104 is compatible with a range of Star's POS printers and connects directly to the RJ11 port on the back of the printer.

Thermal Printers

STAR PRINTER SERIES	mC-Print2 Series	mC-Print3 Series	TSP143IIECO	TSP100III Series	TSP650II Series	TSP700II Series	TSP800II Series	FVP10	mPOP
	Pages 4-5	Pages 4-5	Pages 8-9	Page 8-9	Page 10-11	Pages 14	Pages 15	Pages 13	Page 6-7
Description	58mm Receipt Printer with up to 5 Interfaces and 2 USB Host Ports	80mm Front Operating Receipt Printer with up to 5 Interfaces and 2 USB Host Ports	80mm Receipt Printer with *futurePRNT* technology and ECO features	80mm Receipt Printer with *futurePRNT* technology	80mm Receipt Printer with Plug-in Interface options	80mm Receipt, Label, Ticket and Kiosk Printer	112mm Receipt, Label, Ticket and Kiosk Printer	80mm Front Operating Under Counter Receipt and Label Printer	Combined 58mm Bluetooth Receipt Printer and Cash Drawer
Application	Receipts	Receipts, Kiosk	Receipts	Receipts	Receipts, Labels (TSP654SK)	Receipts, Labels Tickets, Kiosk	Receipts, Labels Tickets, Kiosk	Receipts, Labels, Tickets	Receipts
Max. Print Speed	100mm/sec.	250mm/sec.	150mm/sec.	250mm/sec.	300mm/sec.	250mm/sec.	180mm/sec.	250mm/sec.	100mm/sec.
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi, 406 x 203 dpi selectable	203 dpi, 406 x 203 dpi selectable	203 dpi, 406 x 203 dpi selectable	203 dpi
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	48/64, 53/71 col	Max. 104 col.	48/64 col. depending on paper width	48 col.
Autocutter	Full or partial cut (guillotine)	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)	Full or partial cut (guillotine)
Paper Width	58mm	80mm standard (58mm with paper guide)	80mm standard (58mm with paper guide)	80mm standard (58mm with paper guide)	80mm standard (58mm with paper guide)	80mm standard, 82.5, 58mm	112mm	58 – 80mm fully adjustable	58mm
Paper Thickness	0.053 – 0.075mm	0.053 – 0.075mm	0.065 – 0.085mm	0.053 – 0.085mm	0.053 – 0.085mm	0.065 – 0.15mm	0.065 – 0.15mm	0.065 – 0.15mm	0.053 – 0.075mm
Max. Paper Roll Diameter	54mm	83mm	83mm	83mm	83mm	100mm or External Paper Feed	100mm or External Paper Feed	83mm	50mm
Media Presentation	Front Receipt Exit, Top Paper Loading	Front Receipt Exit, Front Paper Loading	User Selectable Paper Delivery options with Mounting Bracket included	User Selectable Paper Delivery options with Mounting Bracket included	User Selectable Paper Delivery options with Mounting Bracket included	User Selectable Paper Delivery Options with Mounting Bracket included & optional Paper Exit Guide	User Selectable Paper Delivery Options	Front Receipt Exit, Front Paper Loading	Front Receipt Exit, Front Paper Loading
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)	50.8mm (58mm Paper) 72mm (80mm Paper)	Max. 80mm	Max. 104mm	Max. 72mm	54 or 48mm
Sensors	Paper End, Cover Open	Paper End, Paper Near End (mCP31L/LB, mCP31C/CB), Cover Open	Paper End, Cover Open	Paper End, Cover Open	Paper End, Paper Near End (horizontal & vertical), Cover Open	Black Mark, Paper End, Paper Near End (horizontal & vertical), Cover Open	Black Mark, Paper End, Paper Near End (horizontal & vertical), Cover Open	Black Mark, Paper End, Paper Near End, Cover Open	Paper End, Cover Open
Interface	mCP20: USB, LAN, Cloud mCP21LB: USB, LAN, Cloud, iOS USB with SteadyLAN, Bluetooth, 2 x USB Host Ports	mCP30: USB, LAN, Cloud mCP31L: USB, LAN, Cloud, iOS USB with SteadyLAN, 2 x USB Host Ports mCP31LB: as above with Bluetooth mCP31C: LAN, Cloud, USB-C with SteadyLAN, 2 x USB Host Ports mCP31CB: as above with Bluetooth	USB	TSP143IIIU: USB with iOS Data & Charge TSP143IIIE: Ethernet TSP143IIIBI: Bluetooth TSP143IIIW: WLAN	Serial, Parallel, USB, Ethernet, Bluetooth, AirPrint, HI X Connect and Non-Interface versions. Plug-in options: Serial (HD03), 9-Pin Serial (HN03), Parallel (HC03), USB (HU07), Ethernet (HE07), HI X Connect with CloudPRNT (HI01X)	Serial, Parallel, USB, Bluetooth, HI X Connect and Non-Interface versions. Plug-in options: Serial (HD03), 9-Pin Serial (HN03), Parallel (HC03), USB (HU07), Ethernet (HE07), HI X Connect with CloudPRNT (HI01X)	Serial, Parallel, USB, Bluetooth, AirPrint and Non-interface versions. Plug-in options: Serial (HD03), 9-Pin Serial (HN03), Parallel (HC03), USB (HU07), Ethernet (HE07), HI X Connect with CloudPRNT (HI01X)	Dual Interface USB and Plug-in Serial HD03, Parallel HC03 or Ethernet HE07 (sub chassis needed). Bluetooth version FVP10BI with additional USB	Bluetooth, 1 Slave USB 2 x 0.5A and 2 x 1.5A USB Host Ports
Power Supply	External PS60C included	External PS60C included	Internal with power cable included	Internal with power cable included	External option PS60	External option PS60	External option PS60	External option PS60	Internal with power cable included
Power Consumption	19.2 W Printing, 1.44 W Standby	45.6 W Printing, 1.68 W Standby	10.6 W Printing, 0.05 W Standby	46 W Printing 3.5 W Standby	45.6 W Printing 3.6 W Standby	43.2 W Printing 3.6 W Standby	48 W Printing 2.88 W Standby	37.44 W Printing 2.88 W Standby	32.34 W Printing 25.77 W Standby
Energy Star Certified	Yes	Yes	Yes	Yes	Yes	Yes	–	Yes	Yes
Reliability	60 million lines 1 million cuts	60 million lines 2million cuts	60 million lines 1 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	37 million lines 2 million cuts	60 million lines 2 million cuts	18 million lines 300,000 cuts
Dimensions (w x d x h) mm Weight	96 x 113 x 100 0.8kg	132 x 140 x 125 1.3kg	142 x 204 x 132 1.74kg	142 x 204 x 132 1.68kg	104 x 203.5 x 132 1.60kg	147 x 312 x 148 1.75kg	180 x 213 x 148 1.9kg	144 x 227.7 x 114 2.8kg	308 x 300 x 100 3.3kg
Options and Accessories	In box: • PS60 Power Supply Options: • mC-Print Cable Tidy • mC-Sound Buzzer Alarm • SCD222 Display • Star 1D Scanner • 2D Scanner	In box: • PS60 Power Supply Options: • 58mm Paper Guide • Wall mount kit • mC-Sound Buzzer Alarm • SCD222 Display • Star 1D Scanner • 2D Scanner	In box: • Power Cable • USB Interface Cable • Wall Mount • Power Switch Cover • Paper Roll • 58mm Paper Guide Options: • T100 Splash Proof Cover • VS T100 Vertical Stand • Buzzer Alarm	In box: • Power Cable • Interface Cable • Wall Mount • Power Switch Cover • Paper Roll • 58mm Paper Guide Options: • T100 Splash Proof Cover • VS T100 Vertical Stand • Buzzer Alarm	In box: • PS60 Power Supply (check with reseller) • Wall Mount • Power Switch Cover • 58mm Paper Guide Options: • PS60 Power Supply • T650 Splash Proof Cover • VS T650 Vertical Stand • Buzzer Alarm	In box: • PS60 Power Supply (check with reseller) • Wall Mount • Power Switch Cover • 58mm Paper Guide Options: • PS60 Power Supply • WB-T700 Wall Mount • T700 Splash Proof Cover • VS-T700 Desk Boot • Buzzer Alarm • Plug-in Interfaces	In box: • Wall Mount • Power Switch Cover • 58mm Paper Guide Options: • PS60 Power Supply • WB-T800 Wall Mount • VS-T800 Desk Boot • Buzzer Alarm • 80mm Paper Guide • Plug-in interfaces	In box: • Power Switch Cover Options: • PS60 Power Supply • WB-T800 Wall Mount • VS-T800 Desk Boot • Buzzer Alarm • 80mm Paper Guide • Plug-in interfaces	In box: • Power Switch Cover • Interface Cable Options: • PS60 Power Supply • MK-FVP10 Mounting Bracket • Cable Cover • 2nd Interface option	In box: • Power Cable • Counter Clip • Paper Roll • Plastic Tablet Stand Options: • mC-Sound Buzzer Alarm • Star 1D Scanner • 2D Scanner • SCD222 Display • POPPack Tablet Stand • VESA Mount • Under Counter Mount Kit • Y Cable

Mobile Printers

	SM-L200	SM-L300	SM-S230i	SM-T300i	SM-T400i	**Matrix** SP298	SP700 Series	**Hybrid** HSP7000	**Specialist Thermal, Lottery & Ticketing** TSP1000	TSP-L10
STAR PRINTER SERIES	Pages 16-17					Page 20	Page 21	Page 20	Page 18	Page 19
Description	Compact 2" (58mm) Bluetooth / BLE Mobile Receipt and Label Printer for Apple iOS, Android, Windows and Linux	Compact 3" (80mm) Bluetooth / BLE Mobile Receipt and Label Printer for Apple iOS, Android, Windows and Linux. SM-L304 model with MSR	Compact 2" (58mm) Bluetooth Mobile Receipt Printer for Apple iOS, Android, Windows and Linux	Rugged 3" (80mm) Bluetooth Mobile Receipt and Label Printer for Apple iOS, Android, Windows and Linux. SM-T301i model with MSR	Durable 4" (112mm) Bluetooth Mobile Receipt and Label Printer for Apple iOS, Android, Windows and Linux. SM-T404i model with MSR	9-pin Matrix Slip Printers with AutoSide Loading™	UNIQUE 9-pin Red / Black Dot Matrix Printer Series	High Speed 203 dpi Thermal Receipt & Matrix Cheque / Slip Printer	Versatile Direct Thermal Ticket Printer with Receipt / Ticket Stacker	High Performance Secure Transaction Printer able to print and stack 100 Tickets
Application	Receipts, Labels	Receipts, Labels	Receipts	Receipts, Labels	Receipts, Labels	Multi-part Receipts / Forms	Multi-part Receipts / Forms	Multi-part Receipts / Forms	Receipts, Tickets	Receipts, Tickets
Max. Print Speed	35mm/sec.	65mm/sec.	80mm/sec.	80mm/sec.	110mm/sec.	3.1 lps	4.0 to 8.9 lps	250mm/sec. up to 8.9 lps	180mm/sec.	300mm/sec.
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	7 x 9 half dot	7 x 9 half dot	203 dpi / 9-pin	203 dpi	203 dpi
Tear Bar / Autocutter	Tear Bar	Tear Bar	Tear Bar	Tear Bar	Tear Bar	Slip Printer	Tear Bar and Full / Partial (Guillotine), Autocutter, Rewind models	Partial Cut (Guillotine)	Full Cut (Guillotine)	Full Cut (Guillotine)
Paper Width	58mm	40 – 80mm adjustable	58mm	80mm	112mm	up to 182mm	76mm default, 69.5, 58mm	Thermal: 58, 76, 80mm Matrix: 68 – 230mm	45 – 82.5mm Adjustable	82.5mm
Paper Thickness	0.053 – 0.12mm	0.053 – 0.085mm Labels up to 0.15mm MaxStick up to 0.086mm	0.058 – 0.075mm	0.06 – 0.07mm	0.06 – 0.07mm	0.09 – 0.20mm / 1+2 copies	0.06 – 0.085mm / 1+2 copies	Thermal: 0.065 – 0.085mm Matrix: 0.09 – 0.31mm	0.065 – 0.15mm	0.075 – 0.09mm
Paper Roll Diameter)	40mm	57mm	40mm	50mm	50mm	Slips only	85mm	Thermal: 83mm	▶180mm◀	▶200mm◀
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	Horizontal mode	Vertical or Horizontal mode	Horizontal model Top Receipt / front Slip delivery	30 Receipt / Ticket Stacker	100 Receipt / Ticket Stacker
Print Width	48mm	32 – 72mm	48mm	72mm	104mm	63mm	63 / 60 / 45mm	Thermal: 72mm Slip: 85.4mm max.	80mm	80mm
Sensors	Paper End, Cover Open, Black Mark (front and back)	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	AutoSide Loading	Paper End (Near End option)	Paper End, Near End option, AutoSide Loading & Cheque validation	Black Mark, Paper End, Near End & Stacker	Black Mark, Cover Open, Paper End, Near End (4 position)
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)	RS232C or Parallel, USB with adapter	Serial, Parallel, Bluetooth, Non-interface. Plug-in options: Serial (HD04), 9-Pin Serial (HN04), Parallel (HC04), USB (HU08), Ethernet (HE08) HI X with CloudPRNT (HI02)	RS232C or Parallel with LAN / USB options	Serial, Parallel or USB as Standard. Ethernet options. 3rd Party WiFi / Bluetooth options	High Speed USB 2.0 + USB Host and Ethernet
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	External PS60 (option)	Internal with cable provided	External PS60	External PS60 (option)	External PS60 (option)
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 31 hours printing at 5 minute printing intervals	7.4V rechargeable battery offering 35 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	9 million lines	22 million lines 1 million cuts	Thermal: 60 million lines Slip: 37 million lines	60 million lines 1 million cuts	60 million lines 2 million cuts
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)	180 x 190 x 138.5 2.1kg	160 x 245 x 152 3.3kg	186 x 296 x 177 4.6kg	161 x 307 x 249 3.0kg	165 x 343 x 276 4.4kg (including scanner)
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	• Ribbon • Manual • Ferrite Core • Fastener	• Ribbon • Set-Up Guide • Internal Power Lead • Paper Guide	• Ribbon • Paper • Set-Up Guide • Paper Guide • Power Switch & Interface Covers	• PS60 Power Supply • Interface options MICR versions: • HSP7643 Top position • HSP7743 Bottom position • HSP7543 Non-MICR version	• PS60 Power Supply • TSP-L11 Internal Print verification Scanner version
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 • MSR version available • Extra Battery Pack • Star WebPRNT Browser App download from the App Store & Google Play	• 4 Unit Battery Charger • Single Battery Charger • Extra Battery Pack • Vehicle Charger • Star WebPRNT Browser App download from the App Store & Google Play	• 4 Unit Battery Charger • 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	• PS60 Power Supply	• Buzzer Alarm • Wall Mount Kit • Vertical Kit • SP700R Paper Rewind version • Plug-in interfaces	• PS60 Power Supply • Interface options	• PS60 Power Supply • Interface options	

Kiosk Printers

	TUP500 Series	TUP900 Series	SK1-211/311 Series	SK1-221/321 Series	SK1-41 Series	SK4-21/31 Series	SK1-21H/31H Series
STAR PRINTER SERIES	Page 25	Page 25	Page 24	Page 24	Page 24	Page 24	Page 24
Description	Modular Thermal 80mm Open Frame Kiosk Printers	Modular Thermal 112mm Open Frame Kiosk Printers	Compact Thermal 58mm and 80mm Open Frame Kiosk Printers with StarPRNT	Compact Thermal 58mm and 80mm Open Frame "Bucket-Style" Kiosk Printers with StarPRNT	Wide Format Thermal 112mm Open Frame Kiosk Printers	Compact Economical 58mm and 80mm Open Frame Kiosk Printers	Compact 58mm and 80mm Kiosk Printers with 12V Power Supply
Application	Receipts, Tickets, Labels	Receipts, Tickets, Labels	Receipts, Tickets, Labels	Receipts, Tickets, Labels	Receipts, Tickets, Labels	Receipts, Tickets, Labels	Receipts, Tickets, Labels
Max. Print Speed	220mm/sec.	150mm/sec.	250mm/sec.	250mm/sec.	150mm/sec.	150mm/sec.	150mm/sec.
Resolution	203 dpi	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 122mm Paper with Auto Scaling Software	SK1-211: Max 56 col. SK1-311: Max 80 col. depending on paper width	SK1-221: Max 56 col. SK1-321: Max 80 col. depending on paper width	Max 104 col. (8 x 16) Max 69 col. (12 x 24) depending on paper width	SK4-21: Max 56 col. SK4-31: Max 80 col. depending on paper width	SK1-21H: Max 56 col. SK1-31H: Max 80 col. depending on paper width
Autocutter	Full or partial cut (guillotine). Full only with Presenter & TUP592	Full or partial cut (guillotine). Full only with Presenter & TUP992	Full or Partial cut (guillotine)	Full or Partial cut (guillotine)	Full or Partial cut (guillotine)	Full or partial cut (guillotine)	Full or partial cut (guillotine)
Paper Width	45 – 82.5mm adjustable	80 – 112mm adjustable	SK1-211: 58 / 60mm SK1-311: 58 / 60, 80 / 83mm	SK1-221: 58 / 60mm SK1-321: 58 / 60, 80 / 83mm	80 / 83 / 112 mm	SK4-21: 58mm SK4-31: 80mm	SK1-21H: 58 / 60mm SK1-31H: 58 / 60, 80 / 83mm
Paper Thickness	0.065 – 0.15mm	0.065 – 0.15mm	0.059 – 0.15mm 0.10mm with presenter	0.059 – 0.15mm 0.10 with presenter	0.059 – 0.12mm 0.075 with presenter	0.059 – 0.085mm	0.059 – 0.10mm
Paper Roll Diameter	Standard: 150mm RHU option: 254mm (180mm vertical)	Standard: 150mm RHU option: 254mm (180mm vertical)	Standard: 120mm Option: up to 250mm	Max 83mm	Standard: 120mm Option: up to 250mm	Standard: 83mm	Standard: 120mm Option up to 250mm
Media Presentation	Front Exit on all versions with LED Bezel option (do not use with labels with presenter). Document Capture	Front Exit on all versions with metal Bezel option (do not use with labels with presenter). Document Capture	Front Exit with Presenter and Bezel options	Front Exit with Presenter and Bezel options	Front Exit with Presenter options	Front Exit with Bezel options	Front Exit with Presenter and Bezel options
Print Width	80mm	104mm with A4 to A6 scaling	SK1-211: 54 / 56mm SK1-311: 54 / 56, 72 / 80mm	SK1-221: 54 / 56mm SK1-321: 54 / 56, 72 / 80mm	72 / 80 / 104mm	SK4-21: 54mm SK4-31: 72mm	SK1-21H: 54 / 56mm SK1-31H: 54 / 56, 72 / 80mm
Sensors	Black Mark, Paper End, Paper Near End adjustable	Black Mark, Paper End, Paper Near End adjustable	Black Mark, Gap, Paper End, Paper Near End	Black Mark, Gap, Paper End, Paper Near End	Black Mark, Gap, Paper Near End	Black Mark, Paper Near End, Paper End	Black Mark, Paper Near End, Paper End
Interface	Supplied without Interface. Options: 9-pin or 25-pin Serial (HN03 or HDD3), Parallel (HC03), USB (HU07), Ethernet (HE07)	Supplied without Interface. Options: 9-pin or 25-pin Serial (HN04 or HD04), Parallel (HC04), USB (HU08)	Dual Interface Serial and USB	Dual Interface Serial and USB	Dual Interface Serial and USB	Dual Interface Serial and USB	Dual Interface Serial and USB
Power Consumption	40.8W Printing 16.8W Standby	40.8W Printing 19.2W Standby	60W Printing 1.68W Standby	60W Printing 1.68W Standby	60W Printing 1.68W Standby	60W Printing 1.20W Standby	30W Printing 1.20W Standby
Power Supply	External PS60 option	External PS60 option	External PS60 option with CB-SK1-D3 Cable	External PS60 option with CB-SK1-D3 Cable	External SA3-27A240-1 option	External PS60 option with CB-SK1-D3 Cable	External PS60 option with CB-SK1-D3 Cable
Reliability	60 million lines 1 million cuts	37 million lines 1 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	60 million lines 1 million cuts	60 million lines 1 million cuts	60 million lines 1.5 million cuts
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 80% RH	Temperature: -5°C to +50°C Humidity: 20% RH to 80% RH	Temperature: -20°C to +50°C Humidity: 20% RH to 85% RH
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	SK1-211: φ83mm: 104 x 129.2 x 73.6 φ102mm: 104 x 137.3 x 79.5 φ120mm: 104 x 145.5 x 85.4 525g (without paper) SK1-311: φ83mm: 127 x 129.2 x 73.6 φ102mm: 127 x 137.3 x 79.5 φ120mm: 127 x 145.5 x 85.4 630g (without paper)	SK1-221: φ83mm: 104 x 129.2 x 73.6 525g (without paper) SK1-321: φ83mm: 127 x 129.2 x 73.6 630g (without paper)	φ83mm: 160.9 x 143.1 x 76.3 φ102mm: 160.9 x 151.2 x 82.2 φ120mm: 160.9 x 159.3 x 88.1 885g (without paper)	SK4-21: Paper – Standard position: 86 x 150 x 81.7 Top position: 86 x 108.7 x 143.8 356g (without paper) SK4-31: Paper – Standard position: 106 x 150 x 81.7 Top position: 106 x 75 x 130.2 Bottom position: 106 x 108.7 x 143.8 410g (without paper)	SK1-21H: 104 x 129.2 x 73.6 φ102mm: 104 x 137.3 x 79.5 φ120mm: 104 x 145.5 x 85.4 525g (without paper) SK1-31H: φ83mm: 127 x 129.2 x 73.6 φ102mm: 127 x 137.3 x 79.5 φ120mm: 127 x 145.5 x 85.4 530g (without paper)
Options	• Interfaces (see above) • Green & Red LED Bezel • Near End Sensor • 25cm Paper Roll • PS60 Power Supply	• Interfaces (see above) • Metal Bezel • Near End Sensor • 25cm Paper Roll • PS60 Power Supply	• PS60 Power Supply and CB-SK1-D3 Cable • Presenter options • Bezel options • Large Paper Roll Holder options See www.Star-EMEA.com	• PS60 Power Supply and CB-SK1-D3 Cable • Presenter options • Bezel options See www.Star-EMEA.com	• SA3-27A240-1 Power Supply • Presenter options • Paper Roll Holder options See www.Star-EMEA.com	• PS60 Power Supply and CB-SK1-D3 Cable • Presenter options • Bezel options See www.Star-EMEA.com	• PS60 Power Supply and CB-SK1-D3 Cable • Presenter options • Bezel options • Paper Roll Holder options See www.Star-EMEA.com