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2023/UK1

# Star

## Point of Sale Solutions







Star Micronics, a leader in point-of-sale solutions, is an established company with over 60 years of experience in crafting high quality, cost effective solutions.

At the forefront of product innovation and with a reputation for quality and reliability, Star has firmly positioned itself as one of the most innovative companies in the industry.

### Sophisticated and sustainable solutions...

Responsive to industry trends and digital transformation, Star's solutions provide the flexibility needed to integrate with the very latest Tablet, Cloud and Omni-Channel POS and hospitality applications.

Star's range of printing solutions and complementary cash drawers and tablet stands provide unified, sleek designs and a simple user experience for modern point of sale and self service.

Star's innovative technologies and services such as CloudPRNT™, SteadyLAN™ network tethering and StarPrinter.Online ensure enhanced connectivity and device management capabilities in store.

**SteadyLAN**



### Star Service...

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 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 has ensured successful installations into some of the world's largest retail and restaurant chains.



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### 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 tethering 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 tethering for supported tablets

#### Key applications

- ★ **Traditional or Tablet POS**
- ★ **Retail**  
Receipts, coupons, click & collect
- ★ **Hospitality**  
Receipts, on-line food orders

## mC-Print2

**mCP21LB** – Ethernet LAN, USB, iOS USB with SteadyLAN, Bluetooth, CloudPRNT. Wireless LAN option. 2 USB Host Ports on hub model

- 100mm/sec 58mm front paper exit, top-loading thermal receipt printer
- Compact, stylish design
- Flat receipt design
- Multiple interfaces, cash drawer and buzzer port plus 2 USB Host ports to connect scanner, display, RFID device etc. on hub model
- Star CloudPRNT for direct printing from web sites and online ordering systems
- Starprinter.online and Star Micronics Cloud Services



## mC-Print3

**mCP30** – Ethernet LAN, USB, CloudPRNT

**mCP31L** – Ethernet LAN, USB, iOS USB with SteadyLAN, CloudPRNT. Wireless LAN option. 2 USB Host Ports

**mCP31LB** – Ethernet LAN, USB, iOS USB with SteadyLAN, Bluetooth, CloudPRNT. Wireless LAN option. 2 USB Host Ports

- 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)
- Multiple interfaces, cash drawer and buzzer port plus 2 USB Host ports to connect scanner, display, RFID device etc.
- IPX2 Splash Proof design for hospitality
- Flat receipt design
- Wall mount option

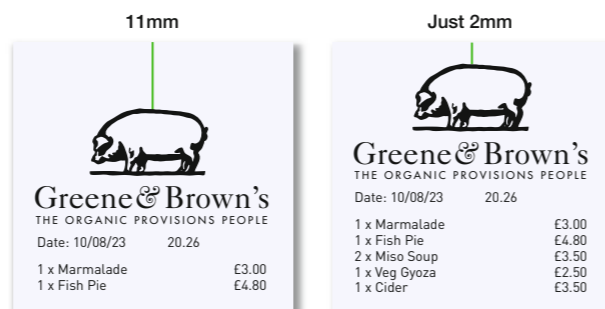


#### Sophisticated design



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

#### Sustainability



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 multi-connectivity built in, mC-Print provides seamless multi-platform connectivity whether you are printing from an EPOS system, tablet or mobile device and can adapt as your business grows.

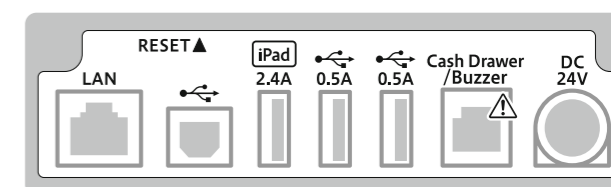
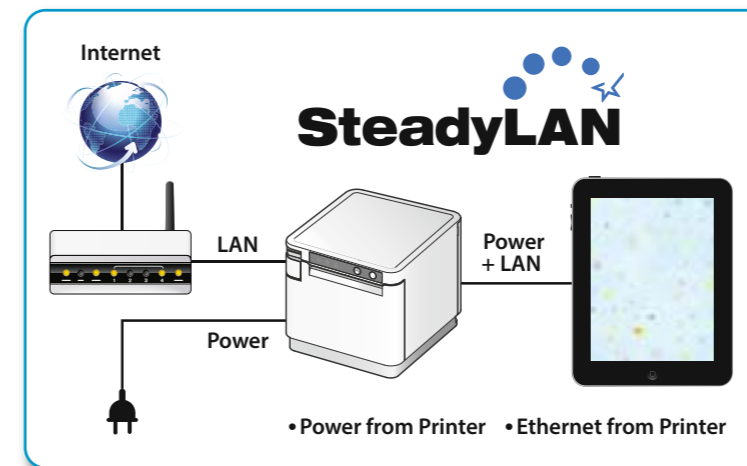
### ▶ SteadyLAN Network Connectivity

#### Reliable network access for Tablet POS

Star's SteadyLAN technology is the market's first POS technology to provide device charging and control of the printer and attached peripherals as well as network tethering for tablets and mobile devices via the printer's Ethernet port.

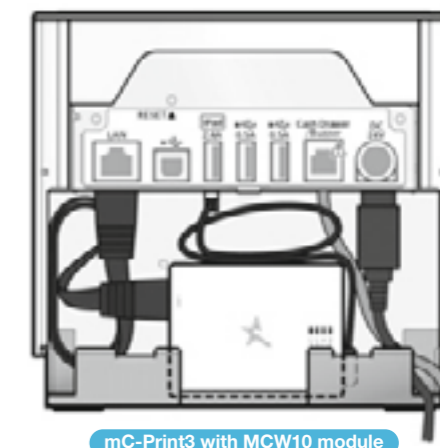
Stable internet connectivity is provided to tablets and mobile devices even when WiFi is not available.

See [www.Star-EMEA.com](http://www.Star-EMEA.com) for full information for each model.



### ▶ NEW Star MCW10 Wireless LAN Module for mC-Print

The new easy-set-up wireless LAN adapter fits neatly into the printer for wireless printer communication in retail and hospitality (contact Star for regions).



### ▶ Star CloudPRNT

Star CloudPRNT technology which is built in to all mC-Print models allows direct printing from online ordering platforms and web sites to connected Star printers anywhere in the world. Ideal for printing retail click and collect orders or restaurant food orders direct to the kitchen without the need for a local tablet or POS system.



### ▶ Hub Connectivity

Cash drawer/buzzer connectivity is available on all models. Hub models also include 2 USB Host ports to connect additional peripherals such as display, scanner, RFID device etc.



### ▶ Simple set-up and Integration

Set-up has never been simpler with Star's Quick Setup utility with online manuals and diagnostic tools. For software developers, Star's multi-platform API and comprehensive SDKs allow simple integration with Star's product range.



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



# mPOP™

THE MOBILE POINT OF PURCHASE SOLUTION

## Models

- POP10 Bluetooth
- POP10CI USB-C

## Key applications

- ✦ Tablet POS
- ✦ Retail
- ✦ Hospitality
- ✦ Salon



Made for  
iPhone | iPad | iPod



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 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 supported Apple iOS, Android and Windows tablets, giving retailers the freedom to use the platform that works for them.

### ► SIMPLE & Easy-to-use

Just one power cable is needed to operate the printer and cash drawer as well as connected peripherals. The clear mPOP LCDs will let you know any printing issues such as paper empty.

### ► 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 features an anti-curl mechanism for printing on 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.

### ► Software and Connectivity

See [www.mPOP.com](http://www.mPOP.com) for more information about mPOP printer and cash drawer connectivity as well as the latest compatible Mobile POS, Retail and Hospitality software.

## mPOP accessories & options



### 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

### Options available:

- POPPack Tablet Stand and mPOP Plate available in black or white
- 1D Scanner BCR-POP1 (black or white – check software support)
- SCD222 Customer Display with 2 lines of graphics via blue, back-lit, 160 x 40 pixel display. 141 x 79 x 60mm/ 210g
- 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



### ► Hub Connectivity

Star's mPOP features additional USB host ports to connect a supported device or USB peripherals such as Star's SCD222 customer display or a 1D or 2D barcode scanner.

# 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



- Economical thermal receipt printer range with unique software features
- ALL setup accessories in the box: wall mount kit, 58mm paper guide, interface & power cable with plug & switch cover
- Access to Star Cloud Services
- 4 Year warranty including head & cutter
- Internal power supply with cable
- Dark grey and ultra white models with matching cash drawers
- Thin paper capable (0.053mm)
- Energy Star compliant

## TSP143IIU+

### 200mm/sec. USB Receipt Printer

Combining Star quality and reliability at an affordable price, the TSP143IIU+ USB printer offers fast thermal receipt printing, *futurePRNT* technology and all the features you need for traditional, fixed POS for retail and hospitality.

## 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

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 TSP143IIIBI 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.

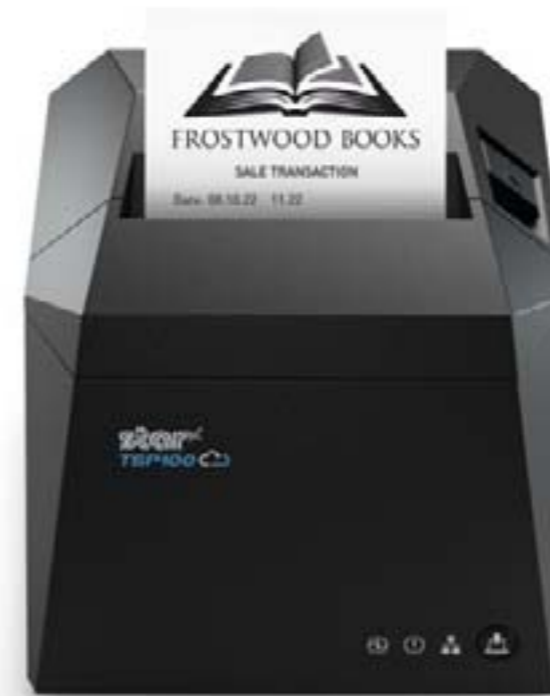
## futurePRNT Software

Star's *futurePRNT* free-of-charge, value-added software available on TSP100IIU+ and TSP100III models includes unique set-up and marketing tools for simply adding logos and coupons to receipts.

The simple set-up utility reduces installation time to minutes as it can simply mirror individual printer settings to multiple units in different locations, if required.



# TSP100IV



## Key applications

- Hospitality  
Receipts, kitchen orders
- Retail  
Receipts, coupons
- mPOS & Tablet POS  
Android Open Accessory (AOA)
- Online Ordering and E-Commerce  
Star CloudPRNT technology



MCW10 Wireless LAN Module

The new TSP100IV from Star brings a unique new design for a truly revolutionary product. The quality and reliability of the popular TSP100 series has been fused with enhanced connectivity and specialist printing features for the very latest in point of sale and omni-channel commerce. For the ever-changing retail environment, the TSP100IV has every angle covered!

## Design

- Designed for modern Point of Sale
- Super compact. 20% smaller than TSP100III saving valuable retail and restaurant counter space
- Internal Power Supply
- Operates either horizontally or vertically or with integral wall mount

## Enhanced Connectivity

- Dual Interface USB and Ethernet LAN
- USB-C port for Windows, Linux and MacOS devices
- USB-A charging for both USB-C and MicroUSB based Android devices with Android Open Accessory (AOA) support for

direct communication and charging with compatible Android devices

- Wireless LAN connectivity with optional MCW10 Wireless LAN unit (contact Star for regions)
- Star CloudPRNT technology for printing directly from online ordering platforms and web sites
- StarPrinter.online and new SMCS (Star Micronics Cloud Services) support

## Simple Operation

- New intuitive Star Quick Setup Utility means printer set-up is incredibly simple
- Everything included at purchase: Power cable, interface cables and paper guide
- 4 year warranty as standard



TSP100IV Multi-Connectivity Interfaces

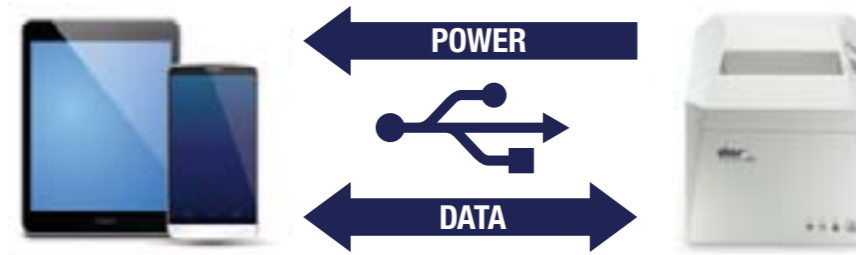
## Star CloudPRNT

Star's unique **CloudPRNT** technology built in to the TSP100IV allows direct printing from online ordering platforms and web sites to connected Star printers anywhere in the world. Ideal for printing retail click and collect orders or restaurant food orders direct to the kitchen without the need for a local tablet or POS system.



## Android Open Accessory (AOA)

**Android Open Accessory (AOA)** support allows Android USB accessories to interact with Android-powered devices in accessory mode. This enables direct data and charging for supported Android devices as well as connected peripherals if using the printer hub. No pairing is needed, simply plug and play!





# 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
- TSP654II HI X with CloudPRNT
- TSP654IISK Linerless Label Printer



## Key applications

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

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
- Star Micronics Cloud Services Support

### 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



# TSP654IISK Linerless Label Printer

Linerless label printer for variable length repositionable labels with paper taken sensor

## Key applications

- ✦ Hospitality  
Food labelling, kitchen order printer
- ✦ Retail  
Retail labelling, click and collect
- ✦ Logistics  
Warehouse labelling



The Star TSP654IISK is a cost effective, eco friendly direct thermal linerless label printer for printing repositionable food and allergy labels, food and drink orders and bag labels as well as product labels for retail and logistics.

With a fast print speed and compact design, the TSP654IISK prints high resolution text and graphics on linerless MAXStick media on 40mm, 58mm or 80mm roll widths, significantly reducing paper wastage and media costs. The TSP654IISK also offers a high quality anti-jam guillotine cutter and paper taken sensor with optional buzzer alert for efficient order management.

- Compact, direct thermal linerless label printer for MAXStick repositionable adhesive liner-free media
- Fast 180mm/s print speed with high quality guillotine cutter
- 80mm paper width (40mm and 58mm with supplied paper guides)
- Paper Taken Sensor for efficient order management
- Buzzer and cash drawer support
- iOS, Android and Windows compatibility with drivers available for all common operating systems
- Plug-in interfaces including USB, Ethernet LAN and HI X Connect. Separate MFi certified Bluetooth version available
- Star CloudPRNT technology for printing from online ordering and delivery software without a local tablet or POS system



## Star Paper Taken Sensor

The TSP654IISK features a **Paper Taken Sensor** which can be enabled to hold each new label/order until the previous label has been taken. This assists efficient order management at busy times when multiple orders are being processed.

The taken sensor also allows the host software to know the time that the ticket was taken, how long after printing or how long before delivery the print job was started for increased efficiency.





# TSP700II Series

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

## Models

Interface versions available:

- TSP743IID Serial
- TSP743IIC Parallel
- TSP743IIU USB
- TSP743II HI X with CloudPRNT
- TSP743II Non-interface version for use with low cost Ethernet (HE07) option

## Key applications

- ✦ Retail
- ✦ Hospitality
- ✦ Logistics
- ✦ Kiosk



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 203dpi) for high quality graphics, 1D & 2D barcodes etc.
- Compatibility with all major operating platforms with a comprehensive suite of drivers
- 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
- TSP847IIC Parallel
- TSP847IIU USB
- TSP847II HI X with CloudPRNT
- TSP847II Non-Interface version for use with low cost Ethernet (HE07) option

## Key applications

- ✦ Retail
- ✦ Hospitality
- ✦ Logistics
- ✦ Kiosk



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
- 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 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.





# 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.

## Key applications

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



iOS

Windows



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](http://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 203dpi 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-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



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 Low Energy (BLE) and can communicate with multiple iOS devices (no PIN required).

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

## 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/BLE devices including Apple iOS, Android, Linux & Windows
- Bluetooth Low Energy (BLE) 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
- Micro USB charging
- OLED display and 13 hour battery life
- Desk dock cradle charger & in-vehicle mount options



### SM-L200 option



### 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)
- 116w x 94d x 80h 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.





# Matrix and Slip Printers

## Models

### Interface versions available:

- SP298 MD Serial Version
- SP298 MC Parallel Version

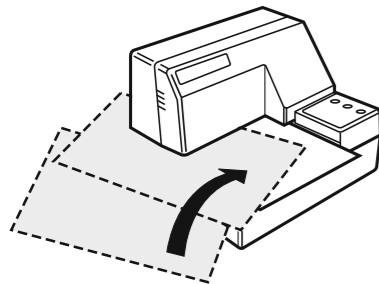
USB to either of the above is possible via a 3rd party adapter

### 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



## SP700 Series

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



## Models

### Models available:

- SP742 Autocutter Printer

### Interface versions available:

- SP742 Non interface
- SP742D Serial
- SP742C Parallel
- SP742E Ethernet

### 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

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 including HI X interface with Star WebPRNT and Star CloudPRNT for web and cloud based printing
- Wall mount/desk book and kitchen buzzer options available
- Dimensions: 160 (w) x 245 (d) x 152 (h) mm

## Key applications

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

## SP700 options & features



Easy Cleaning & Maintenance



Vertical or Horizontal use

### “Plug-in” Interfaces

- Serial, Parallel, USB, Ethernet
- HI X Connect



Two Colour, High Quality Graphics Printing



HI X Connect



# 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 TSP100 models for direct cabled "data & charge" to supported tablets. 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:

- TSP100 models 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



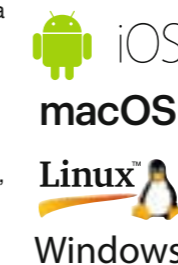
Star mC-Print3, TSP100 and TSP654II Series including Apple AirPrint™ & Sanei Range

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

## 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 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.starmicro.com/support](http://www.starmicro.com/support)
- Remote firmware updates removing the need for site visits
- Print Verification Status feedback
- Remote communication – CloudPRNT with HI X Connect compatible printers, mC-Print and TSP100IV models
- 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)*



# Sanei Kiosk Printer Series

## Key applications

- ✦ Retail
- ✦ Hospitality
- ✦ Ticketing
- ✦ Warehouse/Logistics



## 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](mailto:support@Star-EMEA.com) for full specifications and options.

## SK1-211/311/311SK Series

Compact and ultra-lightweight 2" 58mm and 3" 80mm open frame kiosk printers. SK1-311SK Linerless model

- 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" 58mm 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



For full range of Sanei options, please contact [support@star-emea.com](mailto:support@star-emea.com)

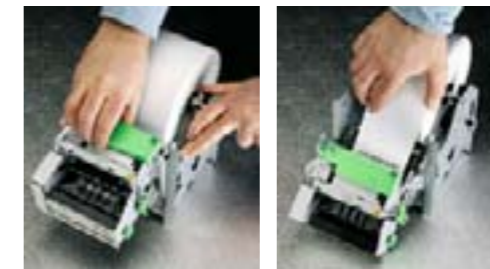
# TUP500 Series

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

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



## TUP500 features



"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

# 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



"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](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 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 a selection of Star's traditional and very latest range of printers.

### ► mC-Print and TSP100IV Series

All of Star's mC-Print series and new TSP100IV printers are Cloud-ready. Certain models in the mC-Print series also offer hub functionality with additional USB ports for local or Cloud based peripheral control of Star's SCD222 customer display, scanners or other supported peripherals.

### ► HI X Connect Printers

The HI X Connect Interface offers dual USB/LAN connectivity plus WiFi using a selection of compatible dongles. 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.

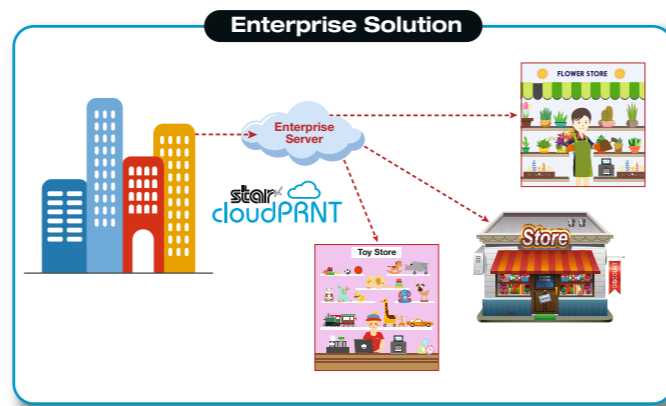


### ► CloudPRNT SDK

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 remote ordering and POS printing.



## Star cloudPRNT



### ► StarPrinter.Online managed CloudPRNT Service

For customers who prefer a managed service, Star has introduced StarPrinter.online, a dedicated service for retailers and restaurant owners to monitor their printer estate.

- Minimal set-up time and cost with near zero integration. Remotely manage your devices from a central location with no need to manage local IP addresses
- Use our REST API, or a bridging service/plugin to connect existing applications and websites to a printer without writing any code
- Reliable tracking of print jobs. Receive webhook based notification of device status changes, print job results, barcode scans, new device connections to a group, etc.
- Scalable as businesses grow. Simply add more printers and peripherals when needed without having to worry about server upgrades

See <https://StarPrinter.Online> for more information and available regions

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

### ► [www.StarVIP.Club](http://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](http://www.StarVIP.Club) today!



## StarXpand SDK

Star has a long history of providing comprehensive SDKs to give software developers the best possible experience integrating Star products.

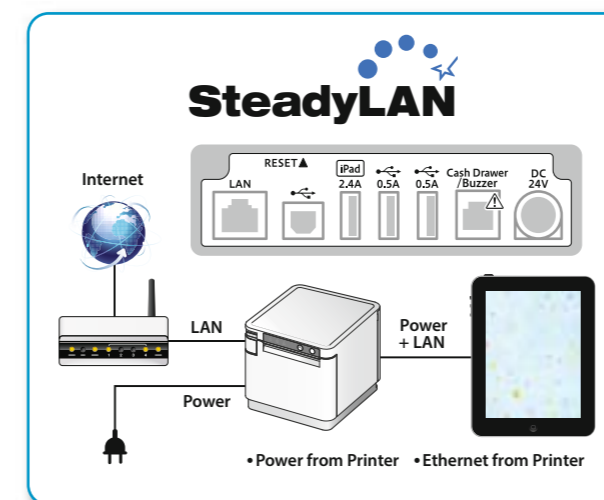
StarXpand continues this for the most up to date technologies to support existing platforms and also encompassing new cross platform technology for next-generation mobile app development. This includes Star printer control and connection in applications that utilise the cross-platform framework React Native, with a Star SDK available on GitHub.



## 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 network tethering for 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.

## 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 Journal 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.





## CB2002 and CD4 Cash Drawers

With a range of cash drawers with a variety of features and price points, Star Micronics is proud to offer cash drawers for any budget or application. Whether you're looking for the smallest possible cash drawer, or a robust cash drawer for a high volume of cash transactions, Star Micronics has the cash register drawer you need.

### ► CB2002 Cash Drawers

Cost effective, secure cash drawer for tablet and traditional POS. Available in black and white to match Star printers.

- 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



CB-2002 options



### ► CD4 Series Cash Drawers

- Reinforced Top for Added Strength
- Reliable Roller Assembly Design and Operation
- Single-Key Drawer and Drawer Operation
- Foldable Hinged Key Design
- High-Quality Design and Finish with Painted Drawer Interiors
- Standard Cash Drawer Cable included
- **CD1416** – 14" x 16" = 350mm x 405mm, 4 note/8 coin
- **CD1616** – 16" x 16" = 410mm x 415mm, 4 note/8 coin or 8 note/8 coin plus 2 media slots
- Available in black and white with stainless steel front



CD4-1416 Medium Cash Drawer



CD4-1616 Large Cash Drawer

## mUnite Tablet Stands

Star's mUnite stands maintain a clean design while hiding all the cables that keep devices connected, routing power supplies to recapture counter space. These durable steel mounts, kiosks and stands are compatible with Star's Universal mEnclosure or any enclosure which uses universal VESA mounting.

### ► mEnclosure Tablet Holder

- Adjustable Universal mEnclosure tablet holder
- Universal VESA mounting
- Clean cable management
- Easy tilt for customer interactions
- Secure tablet mounting with adjustable locking arms
- Tablet can be locked in place and removed easily with included keys
- Tablet can be positioned in portrait or landscape view
- Available in black and white



### ► Display Stands

Wide selection of stands which keep cables together and off the checkout counter at the point of sale. Universal VESA mounting for the tablet of your choice.



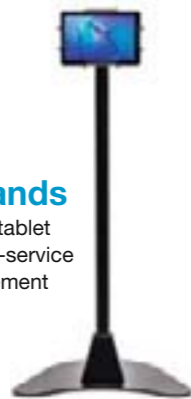
### ► Mount Stands

Stylish tablet mounts to free up and declutter workspace. Perfect for QSR, retail, visitor management or any busy environment to keep tablets secure but easily accessible.



### ► Kiosk Stands

Sturdy yet portable tablet displays for any self-service or customer engagement application.



## Thermal Printers

STAR PRINTER SERIES	mC-Print2 Series	mC-Print3 Series	TSP100III+ Series	TSP100III Series	TSP100IV Series	TSP650II Series	TSP700II Series	TSP800II Series	mPOP
	Pages 4-5	Pages 4-5	Page 8	Pages 8-9	Page 9	Pages 10-11	Page 12	Page 13	Page 6-7
Description	58mm receipt printer with multiple interfaces, Star CloudPRNT and Peripheral Hub	80mm front operating receipt printer with multiple interfaces, Star CloudPRNT and Peripheral Hub	80mm entry level USB receipt printer	80mm receipt printer with fixed interface options	80mm dual USB / LAN receipt printer with AOA Android support and Star CloudPRNT	80mm receipt printer with plug-in interface options	80mm receipt, label, ticket and kiosk printer	112mm receipt, label, ticket and kiosk printer	Combined 58mm receipt printer and cash drawer
Application	Receipts	Receipts, Kiosk	Receipts	Receipts	Receipts	Receipts, Labels (TSP654SK)	Receipts, Labels, Tickets, Kiosk	Receipts, Labels, Tickets, Kiosk	Receipts
Max. Print Speed	100mm/sec.	250mm/sec.	200mm/sec.	250mm/sec.	250mm/sec	300mm/sec.	250mm/sec.	180mm/sec.	100mm/sec.
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203dpi	203 dpi	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 col. depending on paper width	48/64, 53/71 col	Max. 104 col.	48 col.
Autocutter	Full or partial cut (guillotine)	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)
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 (58mm with paper guide)	80mm standard, 82.5, 58mm	112mm	58mm
Paper Thickness	0.053 – 0.075mm	0.053 – 0.075mm	0.053 – 0.085mm	0.053 – 0.085mm	0.049 – 0.085mm	0.053 – 0.085mm	0.065 – 0.15mm	0.065 – 0.15mm	0.053 – 0.075mm
Max. Paper Roll Diameter	54mm	83mm	83mm	83mm	83mm	83mm	100mm or External Paper Feed	100mm or External Paper Feed	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. Wall mounting inclusive	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
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)	50.8mm (58mm Paper), 72mm (80mm Paper)	Max. 80mm	Max. 104mm	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, 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	Paper End, Cover Open
Connectivity	mCP21LB: USB, LAN, Cloud, iOS USB with SteadyLAN, Bluetooth, Wireless LAN with MCW10 option, 2 x USB Host Ports (on hub models)	mCP30: USB, LAN, Cloud mCP31L: USB, LAN, Cloud, iOS USB with SteadyLAN, Bluetooth, Wireless LAN with MCW10 option, 2 x USB Host Ports (on hub models) mCP31LB: as above with Bluetooth	USB	TSP143IIIU: USB with iOS Data & Charge TSP143III: Ethernet TSP143IIIB: Bluetooth TSP143IIIV: WLAN	USB-C, LAN, USB-A with AOA Android Data & Charge, Star CloudPRNT Wireless LAN with MCW10 option (contact Star for regions)	Plug-in Serial (HD03), 9-Pin Serial (HN03), Parallel (HC03), USB (HU07), Ethernet (HE07), HI X Connect with CloudPRNT (HI01X)	Plug-in Serial (HD03), 9-Pin Serial (HN03), Parallel (HC03), USB (HU07), Ethernet (HE07), HI X Connect with CloudPRNT (HI01X)	Plug-in Serial (HD03), 9-Pin Serial (HN03), Parallel (HC03), USB (HU07), Ethernet (HE07), HI X Connect with CloudPRNT (HI01X)	POP10 Bluetooth POP10CI USB-C
Power Supply	External PS60C included	External PS60C included	Internal with power cable included	Internal with power cable included	Internal with power cable included	External option PS60	External option PS60	External option PS60	Internal with power cable included
Power Consumption	19.2W Printing 1.44W Standby	45.6W Printing 1.68W Standby	45W Printing 3.4W Standby	46W Printing 3.5W Standby	43W Printing 3.5W Standby	45.6W Printing 3.6W Standby	43.2W Printing 3.6W Standby	48W Printing 2.88W Standby	32.34W Printing 25.77W 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 2 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	37 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 1.68kg	142 x 204 x 132 1.68kg	140 x 169 x 123	104 x 203.5 x 132 1.60kg	147 x 312 x 148 1.75kg	180 x 213 x 148 1.9kg	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 • MCW10 Wireless LAN module	In box: • PS60 Power Supply • 58mm Paper Guide Options: • Wall mount kit • mC-Sound Buzzer Alarm • SCD222 Display • Star 1D Scanner • MCW10 Wireless LAN module (contact Star for regions)	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: • 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: • Power Cable • Interface Cable • 58mm Paper Guide Options: • Buzzer Alarm • MCW10 Wireless LAN module (contact Star for regions)	In box: • PS60 Power Supply (check with reseller) • Power Switch Cover • Wall Mount • Power Switch Cover • 58mm Paper Guide Options: • PS60 Power Supply • WB-T700 Wall Mount • T650 Splash Proof Cover • VS T650 Vertical Stand • Buzzer Alarm • Plug-in Interfaces	In box: • Wall Mount • Power Switch Cover • 58mm Paper Guide Options: • PS60 Power Supply • WB-T700 Wall Mount • T700 Splash Proof Cover • VS-T700 Desk Boot • 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 Cable • Counter Clip • Paper Roll • Plastic Tablet Stand Options: • Star 1D Scanner • SCD222 Display • POPPack Tablet Stand • VESA Mount • Under Counter Mount Kit



