

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.



Star Micronics EMEA

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star
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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



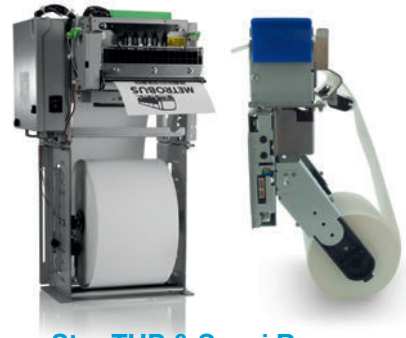
Star TSP700II, TSP800II & mC-Print

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:

- CloudPRNT for HI X Printer Series and mC-Print Printers
- Direct Lightning USB "Data & Charge" for TSP143IIIU
- SteadyLAN "Data, Charge & Network Connectivity" for mC-Print iOS printers for Apple devices and new mC-Print USB-C printers for Android/Windows/Linux
- TSP654II and TSP847 AirPrint
- 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, TSP143III, TSP654II Series including Apple AirPrint™ & Sanei Range

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



The Star Difference

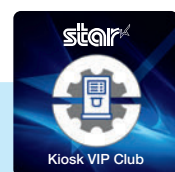
Integration Made Easy

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, being a member of the UPOS committee, Star prides itself on the quality of SDKs, source code and Technical Manuals available to developers.



Technical Innovation

- SDKs and Source code for kiosk builders who prefer to communicate directly with the printer's port for greater status feedback. Contact Star or go to www.starmicronics.com/support
- 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



Star Kiosk VIP Club

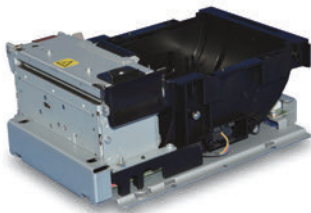
Star has expanded the Star VIP Club with the launch of Star Kiosk VIP Club. Star Kiosk VIP Club members have access to additional sales, technical and marketing resources designed to help you develop your solution with the support of Star behind you.

Find out more and apply online at www.StarVIP.Club

Sanei Kiosk Printer Series

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 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. ϕ 120mm paper roll as standard. 250mm option
- Max. 150 μ m 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. ϕ 83mm paper roll as standard
- Max. 150 μ m 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. ϕ 120mm paper roll as standard. 250mm option
- Max. 120 μ m 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

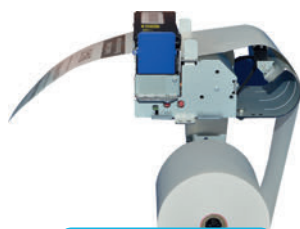
- Max. 150mm/sec print speed
- Max. ϕ 83mm paper roll
- Max. 85 μ m paper
- 3 paper positions
- LED Bezel and Anti-Paper Jam Bezel options available
- Windows Utility drivers with remote status monitor
- Selectable full and partial cut
- Dual serial and USB interface
- ESC/POS™ compatible
- Auto-loading function

SK1-21H/31H Series

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

- Max. 150mm/sec print speed
- Max. ϕ 120mm paper roll as standard. 250mm option
- Max. 100 μ m 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



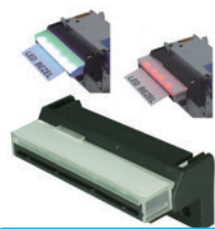
Vertical paper position options



LED Presenter options



Paper holder and paper arm options



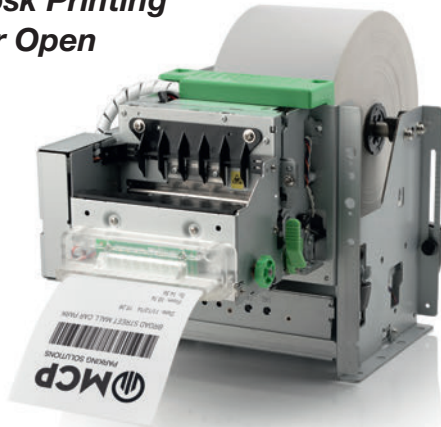
Flashing LED and anti-jam bezel options

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

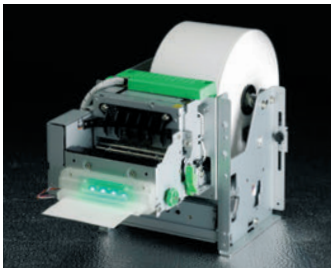
TUP500 Series

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



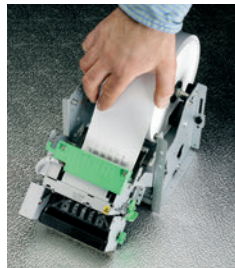
TUP500 features



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



“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

Specifications

STAR PRINTER SERIES	TUP500 Series	TUP900 Series	SK1-211/311 Series	SK1-221/321 Series	SK1-41 Series	SK4-21/31 Series	SK1-21H/31H Series
							
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 "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 HD03), 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: ø83mm: 104 x 129.2 x 73.6 ø102mm: 104 x 137.3 x 79.5 ø120mm: 104 x 145.5 x 85.4 525g (without paper) SK1-311: ø83mm: 127 x 129.2 x 73.6 ø102mm: 127 x 137.3 x 79.5 ø120mm: 127 x 145.5 x 85.4 630g (without paper)	SK1-221: ø83mm: 104 x 129.2 x 73.6 525g (without paper) SK1-321: ø83mm: 127 x 129.2 x 73.6 630g (without paper)	ø83mm: 160.9 x 143.1 x 76.3 ø102mm: 160.9 x 151.2 x 82.2 ø120mm: 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 75 x 130.2 Bottom 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: ø83mm: 104 x 129.2 x 73.6 ø102mm: 104 x 137.3 x 79.5 ø120mm: 104 x 145.5 x 85.4 525g (without paper) SK1-31H: ø83mm: 127 x 129.2 x 73.6 ø102mm: 127 x 137.3 x 79.5 ø120mm: 127 x 145.5 x 85.4 530g (without paper)
Options	<ul style="list-style-type: none"> • Interfaces (see above) • Green & Red LED Bezel • Near End Sensor • 25cm Paper Roll • PS60 Power Supply 	<ul style="list-style-type: none"> • Interfaces (see above) • Metal Bezel • Near End Sensor • 25cm Paper Roll • PS60 Power Supply 	<ul style="list-style-type: none"> • PS60 Power Supply and CB-SK1-D3 Cable • Presenter options • Bezel options • Large Paper Roll Holder options See www.Star-EMEA.com	<ul style="list-style-type: none"> • PS60 Power Supply and CB-SK1-D3 Cable • Presenter options • Bezel options See www.Star-EMEA.com	<ul style="list-style-type: none"> • SA3-27A240-1 Power Supply • Presenter options • Paper Roll Holder options See www.Star-EMEA.com	<ul style="list-style-type: none"> • PS60 Power Supply and CB-SK1-D3 Cable • Bezel options See www.Star-EMEA.com	<ul style="list-style-type: none"> • PS60 Power Supply and CB-SK1-D3 Cable • Presenter options • Bezel options • Paper Roll Holder options See www.Star-EMEA.com

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

Specifications

STAR PRINTER SERIES	TSP700II Series	TSP800II Series	mC-Print3 Series	TSP100 Series	TSP650II Series	HI X CloudPRNT Interface
						
Description	TSP743II Robust 80mm Printer used in Kiosks all over the World – 10cm Paper Roll	TSP847II Unique 112mm Printer with 10cm Paper Roll replacing A4 printers with a lower Running Cost Solution	80mm Front Operating Receipt Printer with up to 5 Interfaces and 2 USB Host Ports and SteadyLAN	TSP143III USB Low, low cost Lightning iOS Packaged Printer able to connect directly to iOS tablets “Data & Charge” (NO Bluetooth/LAN needed)	TSP654II High speed, compact Packaged Printer with low cost Remote Printing/ “PC-Free” CloudPRNT version with multi-Peripheral hub	TSP654II HI X / TSP743II HI X / TSP847II HI X PC-Free, remote CloudPRNT Packaged Printers with multi-Peripheral hub
Application	Receipts, Tickets, Labels	Receipts, Tickets, Labels	Receipts	Receipts	Receipts	Receipts, Tickets, Labels
Max Print Speed	250mm/sec.	180mm/sec.	250mm/sec.	250mm/sec.	300mm/sec.	Varied up to 300mm/sec.
Resolution	203 dpi, 406 x 203 dpi selectable	203 dpi, 406 x 203 dpi selectable	203 dpi	203 dpi	203 dpi	203 dpi
No. of Columns	48/64 or 53/71 col.	“Reduced” A4 print capability with Auto Scaling Driver	64	48/64	48/64	
Autocutter	Full or Partial (Guillotine)	Full or Partial (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	Partial Cut (Guillotine)	TSP654II: Partial Cut (Guillotine), TSP743II/847II: Full or Partial Cut
Paper Width	80mm (default) 82.5, 58mm selectable	112mm Standard 80mm Paper Guide option	80mm (58mm with guide)	80mm (58mm with guide)	80mm (58mm with guide)	TSP654II: 80mm TSP743II: 80mm (82.5 & 58mm) TSP847II: 112mm
Paper Thickness	0.065 – 0.15mm	0.065 – 0.15mm	0.043 – 0.075mm	0.065 – 0.085mm	0.065 – 0.15mm	TSP654II: 0.053 – 0.085mm TSP743II/847II: 0.065 – 0.15mm
Paper Roll Standard option	100mm	100mm	83mm	83mm	83mm	TSP654II: 83mm TSP743II/847II: 100mm
Media Presentation	User Selectable Paper Delivery option with Mounting Bracket included & Optional Paper Exit Guide	User Selectable Paper Delivery option	Front Receipt Exit, Front Paper Loading	Front feed in vertical position with “Drop-In & Print” paper loading. Vertical bracket included in box	User Selectable Paper Delivery option with Mounting Bracket included	Front feed in vertical position with “Drop-In & Print” paper loading. Vertical bracket included in box (not TSP847II)
Print Width	80mm max.	104mm	72mm, 50.8mm (with guide)	72mm, 50.8mm (with guide)	72mm, 50.8mm (with guide)	TSP654II: 72mm, 50.8mm (with guide). TSP743II: 80mm max. TSP847II: 104mm max.
Sensors	Black Mark, Paper End, Cover Open, Near End Horizontal & Vertical	Black Mark, Paper End, Cover Open, Near End Horizontal & Vertical	Paper End, Near End (MCP31L/LB, mCP31C/CB), Cover Open	Paper End, Cover Open	Paper End, Near End, Cover Open	TSP654II: Paper End, Cover Open, Near End Sensor Horizontal & Vertical. TSP743II/847II: as before plus Black Mark
Interface	Serial, Parallel, USB, 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)	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 Traditional, Lightning iOS USB “Data & Charge” (Traditional USB cable included – for Lightning use the tablet cable provided by Apple)	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)	Star HI01X CloudPRNT Interface with LAN & USB plus 2 host ports. Can use WiFi Dongle option
Power Consumption	43.2W Printing 3.6W Standby	48W Printing 2.88W Standby	45.6W Printing 1.68W Standby	46W Printing 3.5W Standby	45.6W Printing 3.6W Standby	TSP654II/743II/847II: 45.6A/40.8/40.8W Printing 3.6A/16.8/1.92W Standby
Operating Environment	Temperature: 5°C to 45°C Humidity: 10% to 90%RH	Temperature: 5°C to 45°C Humidity: 10% to 90%RH	Temperature: 5°C to 45°C Humidity: 10% to 90%RH	Temperature: 5°C to 45°C Humidity: 10% to 90%RH	Temperature: 5°C to 45°C Humidity: 10% to 90%RH	Temperature: 5°C to 45°C Humidity: 10% to 90%RH
Energy Star Qualified Power Supply	External PS60 (option)	External PS60 (option)	External PS60C included	Internal with power cable included	External PS60 (option) included in price. Check with your reseller	External PS60
Reliability	60 million lines 2 million cuts	37 million lines 2 million lines	60 million lines 2 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	60 million lines TSP847II: 37 million lines 2 million cuts
Dimensions (w x d x h) mm Weight	147 x 213 x 148 1.75kg	180 x 213 x 148 1.9kg	132 x 140 x 125mm 1.3kg	142 x 204 x 132 1.68kg	142 x 203.5 x 132 1.6kg	TSP654II: 142 x 203.5 x 132 1.6kg TSP743II: 147 x 213 x 148 1.75kg TSP847II: 180 x 213 x 148 1.9kg
Peripheral Host Ports / Hub	HI X Version with 2 USB host ports for Star SCD222 Customer Display, 1D and 2D scanners/WiFi Dongle	HI X Version with 2 USB host ports for Star SCD222 Customer Display, 1D and 2D scanners/WiFi Dongle	mCP31L/LB, mCP31C/CB 2 USB host ports for SCD222 Customer Display, 1D and 2D Scanners etc.	None	HI X Version with 2 USB host ports for Star SCD222 Customer Display, 1D and 2D scanners/WiFi Dongle	HI X Version with 2 USB host ports for Star SCD222 Customer Display, 1D and 2D scanners/WiFi Dongle
Options	<ul style="list-style-type: none"> Blue or Green & Red LED Paper Exit Guide Various Plug-in Interfaces VST700 Desk Boot WiFi Dongle use with HI01X Splashproof cover Star 1D BCRPOP Scanner 2D Scanner • Buzzer SCD222 Customer Display Vertical Mount Bracket included in box See www.Star-EMEA.com 	<ul style="list-style-type: none"> Buzzer Various Plug-in Interfaces WB-T800 Wall Bracket VS-T800 Desk Boot WiFi Dongle use with HI01X Star 1D BCR-POP Scanner 2D Scanner SCD222 Customer Display See www.Star-EMEA.com 	<ul style="list-style-type: none"> WB-MC30 Wall Mount Bracket Star 1D BCR-POP Scanner 2D Scanner SCD222 Customer Display Buzzer BU01 or mC-Sound See www.Star-EMEA.com 	<ul style="list-style-type: none"> TSP100 & TSP654II options: VS-T650/100 Vertical Desk Stand Buzzer BU01-24-A T100/650 Splash Proof Cover Vertical Mount Bracket included in box See www.Star-EMEA.com 	<ul style="list-style-type: none"> Star 1D BCR-POP Scanner 2D Scanner, SCD222 Customer Display Kitchen Buzzer TSP847II WB-T800 Wall Mount Bracket Buzzer TSP743II Blue or Green & Red LED Bezel Other Plug-In interfaces + WiFi Dongle See www.Star-EMEA.com 	<ul style="list-style-type: none"> Star 1D BCR-POP Scanner 2D Scanner SCD222 Customer Display Kitchen Buzzer TSP847II WB-T800 Wall Mount Bracket Buzzer TSP743II Blue or Green & Red LED Bezel Other Plug-In interfaces + WiFi Dongle See www.Star-EMEA.com

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