

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 WebPRNT and 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.

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 14	Page 15	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	0.053 – 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	mCP20: USB, LAN, Cloud 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, Wireless LAN with MCW10 option, 2 x USB Host Ports (on hub models) mCP31LB: as above with Bluetooth mCP31C: LAN, Cloud, USB-C with SteadyLAN, Wireless LAN with MCW10 option, 2 x USB Host Ports (on hub models) mCP31CB: as above with Bluetooth	USB	TSP143IIIU: USB with iOS Data & Charge TSP143IIIE: Ethernet TSP143IIIB: Bluetooth TSP143IIIW: WLAN	USB-C, LAN, USB-A with AOA Android Data & Charge, Star CloudPRNT Wireless LAN with MCW10 option	Plug-in Serial (HD03), 9-Pin Serial (HN03), Parallel (HC03), USB (HU07), Ethernet (HE07), HI X Connect with CloudPRNT (HI01X) Separate Bluetooth and AirPrint models	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) Separate AirPrint model	Contact Star for connectivity options
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	19.2 W Printing 1.44 W Standby	45.6 W Printing 1.68 W Standby	45 W Printing 3.4 W Standby	46 W Printing 3.5 W Standby	43 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	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 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	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	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 • Plug-in Interfaces	In box: • Wall Mount • Power Switch Cover • 58mm Paper Guide • Cable Cover Options: • PS60 Power Supply • WB-T800 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