

# TSP650II Series

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



## Models

### Interface versions available:

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

## 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 203 dpi with standard and 2D barcode support
- Energy Star Certified including PS60 power supply
- Near end sensor for horizontal and vertical use
- Ergonomic design with optional splash-proof cover
- Star Auto-Logo™ feature to independently add logos and coupons to receipts
- Easy “Drop-In & Print” paper loading
- User friendly, interchangeable plug-in interfaces allow for easy system upgrades
- Digital Receiving available

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

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

## TSP650II options



Vertical Desk Stand



Splash-Proof Cover



HI X plug-in interface option

Cloud ready for hospitality, retail and logistics!

**TSP654II HI X**

# TSP654II AirPrint™

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

Star's TSP654II AirPrint™ is the first 80 and 58mm receipt and ticket AirPrint POS Printer certified by Apple. AirPrint is an Apple technology providing easy mobile printing solutions for Apple iPad, iPhone, iPod and MacBook users on any private network.

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

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



# TSP654IIBI Bluetooth

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



- Switches easily from Apple iOS Bluetooth to Android, Windows and Linux
- Out-of-the-box wireless desktop printing solution
- Apple MFi Certified – Pairs with iPad, iPhone, iPod Touch as well as all Bluetooth Devices supporting Serial Port Profile (SPP)
- AutoConnect feature will reconnect to the last iOS host after power on or out of range situation
- Compatible with major operating systems including Apple iOS, Android, Windows, Linux handheld devices allowing the user to seamlessly migrate to another operating system, if required
- Demo apps available on Google Play and iTunes stores
- Star WebPRNT Browser for direct web printing from a web page from Google Play or App Store
- Star PassPRNT Print Data Relay Application



# TSP654II HI X with CloudPRNT

## LAN / WiFi remote printing direct from your web server

- Out-of-the-box CloudPRNT internet connection through WiFi or LAN with remote document printing from your web server. Perfect for restaurant aggregation, warehousing etc.
- WiFi Ready using a compatible, locally sourced USB WiFi dongle matching the customer's preference and budget
- Star PassPRNT Print Data Relay Application
- Dual Interface USB/LAN
- Star's WebPRNT LAN platform independent HTML/JavaScript printing from the Web included free-of-charge, along with Star's AllReceipts Digital Receipting platform
- Peripheral ready – 2 USB Host ports to control attached peripherals including scanners, customer display, RFID devices with no PC required



# TSP654SK Re-Stick

## Linerless label printer for variable length repositionable labels

- The Thermal Post-It™ note solution for the POS market providing the ideal "Re-Stick" customer labelling solution for Pizzerias, Take-Out, Cafés, Promotional Couponing, Special Fast Food Orders etc.
- Reduced speed version of TSP650 designed to work with self-adhesive media (contact Star for list of approved suppliers)
- Environmentally friendly labelling with an increased percentage of labels available per roll and no wasted backing paper to dispose of



# Thermal Printers

STAR PRINTER SERIES	mC-Print2 Series	mC-Print3 Series	TSP143IIECO	TSP100III Series	TSP650II Series	TSP700II Series	TSP800II Series	FVP10	mPOP
									
	Pages 4-5	Pages 4-5	Pages 8-9	Page 8-9	Page 10-11	Pages 14	Pages 15	Pages 13	Page 6-7
Description	58mm Receipt Printer with up to 5 Interfaces and 2 USB Host Ports	80mm Front Operating Receipt Printer with up to 5 Interfaces and 2 USB Host Ports	80mm Receipt Printer with futurePRNT technology and ECO features	80mm Receipt Printer with futurePRNT technology	80mm Receipt Printer with Plug-in Interface options	80mm Receipt, Label, Ticket and Kiosk Printer	112mm Receipt, Label, Ticket and Kiosk Printer	80mm Front Operating Under Counter Receipt and Label Printer	Combined 58mm Bluetooth Receipt Printer and Cash Drawer
Application	Receipts	Receipts, Kiosk	Receipts	Receipts	Receipts, Labels (TSP654SK)	Receipts, Labels Tickets, Kiosk	Receipts, Labels Tickets, Kiosk	Receipts, Labels, Tickets	Receipts
Max. Print Speed	100mm/sec.	250mm/sec.	150mm/sec.	250mm/sec.	300mm/sec.	250mm/sec.	180mm/sec.	250mm/sec.	100mm/sec.
Resolution	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi	203 dpi, 406 x 203 dpi selectable	203 dpi, 406 x 203 dpi selectable	203 dpi, 406 x 203 dpi selectable	203 dpi
No. of Columns	48 col.	64 col.	48/64 col. depending on paper width	48/64 col. depending on paper width	48/64 col. depending on paper width	48/64, 53/71 col	Max. 104 col.	48/64 col. depending on paper width	48 col.
Autocutter	Full or partial cut (guillotine)	Partial cut (guillotine)	Partial cut (guillotine)	Partial cut (guillotine)	Partial cut (guillotine)	Full or partial cut (guillotine)	Full or partial cut (guillotine)	Full or partial cut (guillotine)	Full or partial cut (guillotine)
Paper Width	58mm	80mm standard (58mm with paper guide)	80mm standard (58mm with paper guide)	80mm standard (58mm with paper guide)	80mm standard (58mm with paper guide)	80mm standard, 82.5, 58mm	112mm	58 – 80mm fully adjustable	58mm
Paper Thickness	0.053 – 0.075mm	0.053 – 0.075mm	0.065 – 0.085mm	0.053 – 0.085mm	0.053 – 0.085mm	0.065 – 0.15mm	0.065 – 0.15mm	0.065 – 0.15mm	0.053 – 0.075mm
Max. Paper Roll Diameter	54mm	83mm	83mm	83mm	83mm	100mm or External Paper Feed	100mm or External Paper Feed	83mm	50mm
Media Presentation	Front Receipt Exit, Top Paper Loading	Front Receipt Exit, Front Paper Loading	User Selectable Paper Delivery options with Mounting Bracket included	User Selectable Paper Delivery options with Mounting Bracket included	User Selectable Paper Delivery options with Mounting Bracket included	User Selectable Paper Delivery Options with Mounting Bracket included & optional Paper Exit Guide	User Selectable Paper Delivery Options	Front Receipt Exit, Front Paper Loading	Front Receipt Exit, Front Paper Loading
Print Width	54mm/50.8mm/48mm default	50.8mm/72mm default	50.8mm (58mm Paper) 72mm (80mm Paper)	50.8mm (58mm Paper) 72mm (80mm Paper)	50.8mm (58mm Paper) 72mm (80mm Paper)	Max. 80mm	Max. 104mm	Max. 72mm	54 or 48mm
Sensors	Paper End, Cover Open	Paper End, Paper Near End (mCP31L/LB, mCP31C/CB), Cover Open	Paper End, Cover Open	Paper End, Cover Open	Paper End, Paper Near End (horizontal & vertical), Cover Open	Black Mark, Paper End, Paper Near End (horizontal & vertical), Cover Open	Black Mark, Paper End, Paper Near End (horizontal & vertical), Cover Open	Black Mark, Paper End, Paper Near End, Cover Open	Paper End, Cover Open
Interface	mCP20: USB, LAN, Cloud mCP21LB: USB, LAN, Cloud, iOS USB with SteadyLAN, Bluetooth, 2 x USB Host Ports	mCP30: USB, LAN, Cloud mCP31L: USB, LAN, Cloud, iOS USB with SteadyLAN, 2 x USB Host Ports mCP31LB: as above with Bluetooth mCP31C: LAN, Cloud, USB-C with SteadyLAN, 2 x USB Host Ports mCP31CB: as above with Bluetooth	USB	TSP143IIIU: USB with iOS Data & Charge TSP143IIIE: Ethernet TSP143IIIBI: Bluetooth TSP143IIIII: WLAN	Serial, Parallel, USB, Ethernet, Bluetooth, AirPrint, Hi X Connect and Non-Interface versions. Plug-in options: Serial (HD03), 9-Pin Serial (HN03), Parallel (HC03), USB (HU07), Ethernet (HE07), Hi X Connect with CloudPRNT (HI01X)	Serial, Parallel, USB, Bluetooth, 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)	Serial, Parallel, USB, Bluetooth, AirPrint and Non-Interface versions. Plug-in options: Serial (HD03), 9-Pin Serial (HN03), Parallel (HC03), USB (HU07), Ethernet (HE07), Hi X Connect with CloudPRNT (HI01X)	Dual Interface USB and Plug-in Serial HD03, Parallel HC03 or Ethernet HE07 (sub chassis needed). Bluetooth version FVP10BI with additional USB	Bluetooth, 1 Slave USB 2 x 0.5A and 2 x 1.5A USB Host Ports
Power Supply	External PS60C included	External PS60C included	Internal with power cable included	Internal with power cable included	External option PS60	External option PS60	External option PS60	External option PS60	Internal with power cable included
Power Consumption	19.2W Printing, 1.44W Standby	45.6W Printing, 1.68W Standby	10.6W Printing, 0.05W Standby	46 W Printing 3.5 W Standby	45.6 W Printing 3.6 W Standby	43.2W Printing 3.6W Standby	48W Printing 2.88W Standby	37.44 W Printing 2.88W Standby	32.34 W 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 1 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	60 million lines 2 million cuts	37 million lines 2 million cuts	60 million lines 2 million cuts	18 million lines 300,000 cuts
Dimensions (w x d x h) mm Weight	96 x 113 x 100 0.8kg	132 x 140 x 125 1.3kg	142 x 204 x 132 1.74kg	142 x 204 x 132 1.68kg	104 x 203.5 x 132 1.60kg	147 x 312 x 148 1.75kg	180 x 213 x 148 1.9kg	144 x 227.7 x 114 2.8kg	308 x 300 x 100 3.3kg
Options and Accessories	In box: • PS60 Power Supply Options: • mC-Print Cable Tidy • mC-Sound Buzzer Alarm • SCD222 Display • Star 1D Scanner • 2D Scanner	In box: • PS60 Power Supply • 58mm Paper Guide Options: • Wall Mount kit • mC-Sound Buzzer Alarm • SCD222 Display • Star 1D Scanner • 2D Scanner	In box: • Power Cable • USB Interface Cable • Wall Mount • Power Switch Cover • Paper Roll • 58mm Paper Guide Options: • T100 Splash Proof Cover • VS T100 Vertical Stand • Buzzer Alarm	In box: • Power Cable • Interface Cable • Wall Mount • Power Switch Cover • Paper Roll • 58mm Paper Guide Options: • T100 Splash Proof Cover • VS T100 Vertical Stand • Buzzer Alarm	In box: • PS60 Power Supply (check with reseller) • Wall Mount • Power Switch Cover • 58mm Paper Guide Options: • PS60 Power Supply • T650 Splash Proof Cover • VS T650 Vertical Stand • Buzzer Alarm • Plug-in Interfaces	In box: • Wall Mount • Power Switch Cover • 58mm Paper Guide • Cable Cover Options: • PS60 Power Supply • WB-T700 Wall Mount • T700 Splash Proof Cover • VS-T700 Desk Boot • Buzzer Alarm • Plug-in interfaces	In box: • Power Switch Cover Options: • PS60 Power Supply • WB-T800 Wall Mount • VS-T800 Desk Boot • Buzzer Alarm • 80mm Paper Guide • Plug-in interfaces	In box: • Power Switch Cover • Interface Cable Options: • PS60 Power Supply • MK-FVP10 Mounting Bracket • Cable Cover • 2nd Interface option	In box: • Power Cable • Counter Clip • Paper Roll Options: • mC-Sound Buzzer Alarm • Star 1D Scanner • 2D Scanner • SCD222 Display • POPPack Tablet Stand • VESA Mount • Under Counter Mount Kit • Y Cable

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