

Star® TSP654II/TSP743 II

Direct Thermal Printers



TSP654



TSP743

Approvals



FCC
NRTL

Standard Features

- 203 dpi (8 dots/mm) print resolution
- Two-color printing (software enabled)
- Small footprint
- Easy load "drop-in and print" paper loading
- Adjustable paper width
- Logo storage utility for easy logo data
- Drawer kickout device function
- Cutter
- Easy to change "cartridge-type interface" from RS-232 (DB-25F) to parallel

TSP743

- Label printing

Specifications

Print Speed:

TSP654: 300 mm per second, 60 RPM
TSP743: 7 in (177.8 mm) per second, 60 lines per second at 3 mm per line (180 mm/sec)

Print Width:

TSP654: 80 mm paper: 2.83 in (80 mm)
58 mm paper: 2.05 in (52 mm)
TSP743: Standard: 2.83 in (80 mm)
Optional: 2.05 in (52 mm), 3.15 in (80 mm)

Line Spacing:

3 mm, 4 mm (1/8 in, 1/6 in)

Resolution:

203 dpi (8 dots/mm)

Number Of Columns:

TSP654: 80 mm paper: 24, 48 or optional 64 (ESC/POS) 58 mm paper: 17, 34 or optional 46 (ESC/POS)
TSP743: Standard: 48, 71 (maximum)

Bar Codes:

TSP654: UPC-A/E, JAN/EAN-8/13, Code 39/93/128, Codabar (NW7), ITF
TSP743: UPC-A/E, JAN/EAN-8/13, Code 39/93/128, Codabar (NW7)

Paper Width:

Adjustable. Standard: 3.15 in (80 mm)
Optional: 2.28 in (58 mm)
TSP743 Optional: 3.25 in (82.5 mm)

Logo Store:

TSP654: 2 M bit
TSP743: 4 M bit

Paper Thickness:

TSP654: 0.002 to 0.003 in (0.065 to 0.085 mm)
TSP743: 0.003 to 0.006 in (0.065 to 0.150 mm)

Roll Diameter:

3.5 in (90 mm)

Paper Roll Core:

0.50 to 1.00 in (12 to 25.4 mm)

Paper Path:

TSP654: Internal roll
TSP743: Slot in rear or internal roll

Paper Loading:

"Drop-in and print" and external rear feed

Paper Sensors:

TSP654: Near end, paper out, cover open
TSP743: Near end, paper out, top of form

Printer Reliability:

60 million lines MCBF (CRT)

Cutter Reliability:

TSP654: 0.5 million cuts
TSP743: 2 million cuts

Data Buffer:

8K bytes

Interface:

RS-232 serial DB-25F

Emulation:

Star line mode, ESC/POS™ (TM-U295/TM290)

Drawer Kickout Device Function:

2 drivers

Auto Cutter:

Full and partial cut

Drivers:

Windows® 95/98/2000/NT 4.0, Windows® legacy printer, OPOS, JavaPOS®, Star Raster Graphics Mode, Linux

Operating Temperature:

41 °F to 113 °F (5 °C to 45 °C)

Humidity:

10% to 90% RH (with out condensation)

Overall Dimensions:

(W × H × D)
TSP654: 5.59 × 5.16 × 7.83 in (142 × 131 × 199 mm)
TSP743: 5.79 × 5.83 × 8.39 in (147 × 148 × 213 mm)

Approvals:

UL and cULus listed, FCC, TUV

Warranty:

Parts: three-year limited
Print head: one-year limited

Part Number/Price

Part #	Description	Est. Weight	Price
69910	TSP654II direct thermal, RS-232 with power supply, 115/230 VAC, wall mount bracket	8 lb	Consult
69907	*TSP743II direct thermal transfer, RS-232 with power supply, 115/230 VAC	8 lb	Consult
69908	*TSP743II direct thermal transfer, RS-232 only, 24 VDC	8 lb	Consult
85929	*TSP743II direct thermal, parallel without power supply	8 lb	Consult

* If using for labels with black mark, request printer to be configured by Rice Lake Weighing Systems

Options/Accessories

Part #	Description	Price
TSP654		
69903	Power supply, PS-60-24A	Consult
69917	One-ply thermal, (W) 3.125 in (75.44 mm, 2.97 in dia.) 7/16 core 230 ft	Consult
107041	MaxStick receipt paper for TSP654 3 1/8 wide 150 ft long adhesive strip	Consult
72309	Power supply, 12 VDC with vehicle cigarette lighter	Consult
71355	Parallel cartridge option	Consult
TSP743		
69919	Wall mount bracket	Consult
70598	Label, DTL, (W × L × D) 3 × 1 × 4 in, with black line timing mark 1,600 labels/roll	Consult
70597	Label, DTL, (W × L × D) 3 × 2 × 4 in, with black line timing mark 900 labels/roll	Consult
Cables		
15547	Blunt end, 25-pin D-sub male RS-232 serial interface cable (Rice Lake indicators)	Consult
15568	25-pin D-sub male to 25-pin D-sub male RS-232 serial interface cable	Consult
72440	25-pin to nine-pin D-sub female cable	Consult