TE Series

Desktop Barcode Printer

Versatile Desktop Performance, Built for Everyday Reliability

The TE200 Series desktop barcode printer family pairs rugged, TSC-engineered construction with the flexibility to run both thermal transfer and direct thermal media on a single machine. Connectivity, memory, and management capability scale up to match the demands of each site, from routine warehouse tagging and retail shelf labeling to secure, remote-managed healthcare operations.

Key Features

- Rugged, TSC-engineered construction across every model
- Runs both thermal transfer and direct thermal media on a single machine
- Print speeds up to 152.4mm (6") per second at 203 dpi, 127mm (5") per second at 300 dpi
- Out-of-the-box auto-switch emulation drops into existing workflows, no reconfiguration required

Strengths by Model

TE200/TE300 — Everyday Performance

- USB 2.0 standard, with Bluetooth available as an option
- 16 MB SDRAM/8 MB Flash memory for everyday label formats and fonts

TE210/TE310 — Full Connectivity for Growing Operations

- Adds Serial (RS-232), Ethernet, and USB Host for scanners or keyboards alongside standard USB 2.0
- Optional Bluetooth, or Wi-Fi 802.11 a/b/g/n with Bluetooth 5.0 combo, wireless connectivity
- 64 MB SDRAM/128 MB Flash memory to handle larger graphics and print queues

TE241/TE341 — Engineered for Secure, Managed Fleets

- Same RS-232, USB Host, and Ethernet connectivity as TE210/TE310, plus Wi-Fi 802.11ac and Bluetooth 5.3, available as a factory or dealer-installed option
- 128 MB SDRAM and 128 MB Flash memory support larger graphics, longer print queues, and faster processing on bigger jobs
- Centralized management through MDM and TSC Console integration, backed by HTTPS and SNMPv3 network security, keeps every deployed unit visible and up to date
- Available with standard (300 m) or compact (110 m) ribbon rolls to match different duty cycles

Applications

Manufacturing and Warehousing

- Work in Progress
- Item Labels
- Instruction Labels
- Agency Labels

Healthcare

- Specimen Labeling
- Pharmacy Labeling
- Patient Tracking

Transportation and Logistic

- Shipping Label
- Receiving Label

Retail

- Shelf labeling
- Inventory Management
- Weight Scale



TE Series Specifications

Model	TE200	TE300	TE210	TE310
Resolution	8 dots/mm (203 dpi)	12 dots/mm (300 dpi)	8 dots/mm (203 dpi)	12 dots/mm (300 dpi)
Printing Method	Thermal Transfer/Direct Thermal			
Max. Print Speed	152.4mm (6")/ second	127mm (5")/ second	152.4mm (6")/ second	127mm (5")/ second
Max. Print Width	108mm (4.25")	105.7mm (4.16")	108mm (4.25")	105.7mm (4.16")
Max. Print Length	2,794mm (110")	1,016mm (40")	25,400mm (1000")	11,430mm (450")
Enclosure	ABS plastic			
Physical Dimension	204mm (W) x 164mm (H) x 280mm (D) 8.03" (W) x 6.46" (H) x 11.02" (D)			
Weight	2.4 kg (5.29 lbs)		2.5 kg (5.51 lbs)	
Label Roll Capacity	127mm (5") O.D.			
Ribbon	300m long, max. O.D. 67mm, 1" core (ink coated outside) 110m long, max. O.D. 40mm, 0.5" core (ink coated outside)			
Ribbon Width	40mm ~ 110mm (1.6" - 4.3")			
Processor	32-bit RISC CPU			
Memory	• 8 MB Flash memory • 16 MB DRAM		• 128 MB Flash memory • 64 MB DRAM	
Interface	• USB 2.0 • Bluetooth 5.0 (dealer option) • MFi Bluetooth 5.0 (factory option)		• USB 2.0 • Internal Ethernet, 10/100 Mbps • RS-232 • USB host, for scanner or PC keyboard • Bluetooth 5.0 (dealer option) • MFi Bluetooth 5.0 (factory option) • 802.11 a/b/g/n Wi-Fi with Bluetooth 5.0 combo module (dealer option)	
Power	External universal switching power supply • Input: AC 100 - 240V, 2.5A, 50 - 60Hz • Output: DC 24V, 2.5A, 60W			
Operation Switch, Button, LED	1 power switch, 1 operation button (pause/feed), 1 LED (3 colors: green, amber & red)			
Sensors	• Transmissive gap sensor • Black mark reflective sensor (position adjustable) • Ribbon end sensor • Head open sensor			
Real Time Clock	N/A		Standard	
Buzzer	N/A		Standard	
Internal Fonts	• 8 alpha-numeric bitmap fonts • Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font			
Barcode	• 1D barcode Code 39, Code 93, Code128UCC, Code128 subsets A.B.C, Codabar, Interleaved 2 of 5, EAN 8, EAN 13, EAN 128, UPC-A, UPC-E, EAN and UPC 2(5) digits add-on, MSI, PLESSEY, POSTNET, China post, ITF14, EAN14, Code 11, TELEPEN, TELEPENN, PLANET, Code 49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS • 2D barcode TLC39, CODABLOCK F mode, PDF-417, Maxicode, DataMatrix, QR code, Aztec, Micro PDF 417, GS1 DataBar (RSS barcode), rMQR Code			
Font and Barcode Rotation	0, 90, 180, 270 degree			
Printer Language	TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)			
Media Type	Continuous, die-cut, black mark, fan-fold, notched (outside wound)			
Media Width	20mm - 112mm (0.8" - 4.4")			
Media Thickness	0.06mm - 0.19mm (2.36mil - 7.48mil)			
Media Core Diameter	25.4mm - 38mm (1" - 1.5")			
Label Length	5mm - 2,794mm (0.2" - 110")	5mm - 1,016mm (0.2" - 40")	5mm - 25,400mm (0.2" - 1000")	5mm - 11,430mm (0.2" - 450")
Environment Condition	Operation: 5°C to 40°C (41°F to 104°F), 25% - 85% non-condensing Storage: -40°C to 60°C (-40°F to 140°F), 10% - 90% non-condensing			
Safety Regulation	FCC Class A, CE Class A, RCM Class A, UL, cUL, TÜV/safety, CCC, EAC, Mexico CoC, BIS, KC, Energy Star 3.2			
Environment Conern	Comply with RoHS, REACH, WEEE			
Accessories	• Quick start guide • USB cable • Power cord • External universal switching power supply		• 1" label spindle, fixing tab x 2, 1.5" adapter x 2 • 1" ribbon spindle x 2 for 300M ribbon • 1" ribbon paper core	
Limited Warranty	• Printer: 2 years • Print head: 25km (1 million inches) or 12 months which comes first • Platen: 50km (2 million inches) or 12 months which comes first			
Factory Options	MFi Bluetooth 5.0			
Dealer Options	Bluetooth 5.0		• 802.11 a/b/g/n/ Wi-Fi with Bluetooth 5.0 combo module • Bluetooth 5.0 • Guillotine cutter (full cut and partial cut) • Peel-off module	
User Options	External roll mount, media O.D. 214mm (8.4") with 76.2mm (3") core			



CORPORATE HEADQUARTERS
TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: apac_sales@tscprinters.com

LI ZE PLANT
TSC Auto ID Technology Co., Ltd.
Tel: +886 3 990 6677
E-mail: apac_sales@tscprinters.com

AMERICAS
TSC Auto ID Technology America Inc.
Tel: +1 657 258 0808
E-mail: americas_sales@tscprinters.com

MEXICO
TSC Mexico Representative Office
Tel: +1 52 (33) 3673 1406
E-mail: americas_sales@tscprinters.com

BRAZIL
TSC Brazil Representative Office
Tel: +55 (11) 3554 7225
E-mail: americas_sales@tscprinters.com

EMEA
TSC Auto ID Technology EMEA GmbH
Tel: +49 (0) 8106 37979 000
E-mail: emea_sales@tscprinters.com

MIDDLE EAST
TSC Auto ID Technology ME Ltd, FZE
Tel: +971 4 2533 069
E-mail: emea_sales@tscprinters.com

ASIA PACIFIC
TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: apac_sales@tscprinters.com

INDIA
TSC India Representative Office
Tel: +91 2249 679 315
E-mail: apac_sales@tscprinters.com

CHINA
Tianjin TSC Auto ID Technology Co., Ltd.
Tel: +86 22 5981 6661
E-mail: apac_sales@tscprinters.com

KOREA
TSC Korea Representative Office
Tel: +82 2 852 3322
E-mail: apac_sales@tscprinters.com

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TE Series Specifications

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Ribbon	300m long, max. O.D. 67mm, 1" core (ink coated outside) 110m long, max. O.D. 40mm, 0.5" core (ink coated outside)	
Ribbon width	40mm - 110mm (1.6" - 4.3")	
Processor	32-bit RISC CPU	
Memory	• 128 MB Flash memory • 128 MB SDRAM	
Interface	• PCBA1: USB 2.0, USB Host, RS-232 and Ethernet • PCBA2: USB 2.0 and Ethernet • Internal Ethernet, 10/100 Mbps • Bluetooth 5.3 (dealer option) • MFi Bluetooth 5.3 (factory option) • 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module (dealer option)	
Power	External universal switching power supply • Input: AC 100-240V, 1.5A, 50-60Hz • Output: DC 24V, 2.5A, 60W	
Operation Switch, Button, LED	• 1 power switch • 1 operation button (pause/feed) • 1 LED (3 colors: green, amber & red)	
Sensors	• Transmissive gap sensor • Black mark reflective sensor (position adjustable) • Ribbon end sensor • Head open sensor	
Real Time Clock	Standard	
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Internal Font	• 8 alpha-numeric bitmap fonts • Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font	
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Safety Regulation	CB, FCC Class A, UL, cUL, IC, CE Class A, TÜV/safety, UKCA, EAC, RCM Class A, CCC, BIS, KC, BSMI, Energy Star®	
Environmental Concern	Comply with RoHS, REACH, WEEE	
Accessories	• Quick start guide • USB cable • Power cord • Power adaptor • External universal switching power supply • 1" label spindle, fixing tab x 2, 1.5" adapter x 2 • 1" ribbon spindle x 2 for 300M ribbon • 1" ribbon paper core	
Limited Warranty	• Printer: 2 years • Printhead: 25km (1 million inches) or 12 months which comes first • Platen: 50km (2 million inches) or 12 months which comes first	
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Dealer Option	• 802.11 a/b/g/n/ac Wi-Fi with Bluetooth 5.0 combo module • Bluetooth 5.3 • Guillotine cutter (full cut and partial cut) • Peel-off module	
User Option	External roll mount, media O.D. 214mm (8.4") with 76.2mm (3") core	



CORPORATE HEADQUARTERS
TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: apac_sales@tscprinters.com

LI ZE PLANT
TSC Auto ID Technology Co., Ltd.
Tel: +886 3 990 6677
E-mail: apac_sales@tscprinters.com

AMERICAS
TSC Auto ID Technology America Inc.
Tel: +1 657 258 0808
E-mail: americas_sales@tscprinters.com

MEXICO
TSC Mexico Representative Office
Tel: +1 52 (33) 3673 1406
E-mail: americas_sales@tscprinters.com

BRAZIL
TSC Brazil Representative Office
Tel: +55 (11) 3554 7225
E-mail: americas_sales@tscprinters.com

EMEA
TSC Auto ID Technology EMEA GmbH
Tel: +49 (0) 8106 37979 000
E-mail: emea_sales@tscprinters.com

MIDDLE EAST
TSC Auto ID Technology ME Ltd, FZE
Tel: +971 4 2533 069
E-mail: emea_sales@tscprinters.com

ASIA PACIFIC
TSC Auto ID Technology Co., Ltd.
Tel: +886 2 2218 6789
E-mail: apac_sales@tscprinters.com

INDIA
TSC India Representative Office
Tel: +91 2249 679 315
E-mail: apac_sales@tscprinters.com

CHINA
Tianjin TSC Auto ID Technology Co., Ltd.
Tel: +86 22 5981 6661
E-mail: apac_sales@tscprinters.com

KOREA
TSC Korea Representative Office
Tel: +82 2 852 3322
E-mail: apac_sales@tscprinters.com

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