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TL DL Series

Desktop Barcode Printer

Intuitive Design Tailored for Daily Productivity

The 4-inch TL DL Series desktop barcode printers are designed for smooth daily printing operations. The TL DL Series delivers optimal performance, for effortless, rapid printing with ease.

The TL DL Series offers plug-and-play functionality with its printer language emulation. The firmware automatically recognizes major printer languages for immediate printing without changing label templates. The TL DL Series' self-diagnostic TPH Care monitors the printhead health status, and TSC Console can integrate the collected data for remote printer monitoring. TSC Console facilitates swift fleet management, updates, and troubleshooting. Additionally, toolless thermal printhead (TPH) replacement simplifies maintenance.

With the media window design, operators can easily check supplies' stock status. Clear print quality, enhanced durability and support for multiple media types make the TL DL Series a perfect fit for your daily operations. The eco-friendly printer features 100% recyclable packaging, reducing environmental impact.

Key Features

Seamless Integration, Effortless Deployment

- Out-of-the-box auto-switch printer language emulation
- Supports multiple media types, print width up to 108mm, print length up to 25,400mm, print speed is up to 6 ips (152 mm/sec) at 203 dpi resolution

Easy Management

- Real-time remote printer monitoring and management with TSC Console
- Downtime prevention with self-diagnostic TPH Care
- User-friendly design: toolless removal and replacement of the TPH (thermal printhead) for easy maintenance
- Media window design so operators can easily check supply stock status

Environmentally Sustainable

- 100% recyclable packaging

Applications

Retail

- Shelf Labeling
- Inventory Management
- Receipt Printing

Transportation & Logistics

- Shipping Labels
- Receiving Labels

Food & Beverage

- Product Labeling
- Track and Trace



TL Series 4-Inch Specifications

Printer Model	TL240	TL340	TL241	TL341
Resolution	8 dots / mm (203 dpi)	12 dots / mm (300 dpi)	8 dots / mm (203 dpi)	12 dots / mm (300 dpi)
Printing Method	Thermal Thermal & Direct Thermal			
Max. Print Speed	152mm (6") / second	102mm (4") / second	152mm (6") / second	102mm (4") / second
Max. Print Width	108mm (4.25")	105.6mm (4.16")	108mm (4.25")	105.6mm (4.16")
Enclosure	ABS & ABS + PC plastic			
Physical Dimension	211mm (W) x 164mm (H) x 279mm (D) 8.31" (W) x 6.46" (H) x 10.98" (D)			
Weight	2.0kg (4.41lbs)			
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	• 16 MB Flash memory • 64 MB DRAM		• 128 MB Flash memory • 64 MB DRAM	
Interface	USB 2.0		• USB 2.0 • Internal Ethernet, 10/100 Mbps	
Power	• External universal switching power supply • Input: AC 100 - 240V, 2.0A, 50 - 60Hz • Output: DC 24V, 2.0A, 48W			
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 • Ribbon end sensor • Head open sensor			
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)			
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 (outside wound)			
Media Width	19mm - 118mm (0.8" - 4.6")			
Media Thickness	0.06mm - 0.19mm (2.36mil - 7.48mil)			
Media Core Diameter	25.4mm (1.0")			
Label Length	5mm - 25,400mm (0.2" - 1,000")	5mm - 11,430mm (0.2" - 450")	5mm - 25,400mm (0.2" - 1,000")	5mm - 11,430mm (0.2" - 450")
Environment Condition	Operation: 0 to 40°C (32 to 104°F), 10 - 85% non-condensing Storage: -20 to 60°C (-4 to 140°F), 5 - 90% non-condensing			
Safety Regulation	CB, BIS, ISC, KC, Energy Star 3.2		CB, FCC class A, IC class A, NOM, cTUVus, CE class A, UKCA class A, EAC, BIS, ISC, KC, Energy Star 3.2	
Environment Conern	Comply with RoHS, REACH, WEEE, China RoHS			
Accessories	• Quick start guide • USB cable • Power cord • External universal switching power supply • Label spindle x 1, fixing tab x 2 • 1" ribbon spindle x 2 • 0.5" ribbon spindle x 2			
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			
Dealer Options	Guillotine cutter (full cut)			



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20240509

www.tscprinters.com

DL Series 4-Inch Specifications

Printer Model	DL240	DL241
Resolution	8 dots / mm (203 dpi)	
Printing Method	Direct Thermal	
Max. Print Speed	152 mm (6") / second	
Max. Print Width	108mm (4.25")	
Enclosure	ABS & ABS+PC plastic	
Physical Dimension	181mm (W) x 162mm (H) x 223mm (D) 7.13" (W) x 6.38" (H) x 8.78" (D)	
Weight	1.1kg (2.43lbs)	
Label Roll Capacity	127mm (5") O.D.	
Processor	32-bit RISC CPU	
Memory	• 16 MB Flash memory • 64 MB DRAM	• 128 MB Flash memory • 64 MB DRAM
Interface	USB 2.0	• USB 2.0 • Internal Ethernet, 10/100Mbps
Power	• External universal switching power supply • Input: AC 100 - 240V, 2.0A, 50 - 60Hz • Output: DC 24V, 2.0A, 48W	
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 • Head open sensor	
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)	
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Printer Language	TSPL-EZD (Compatible to EPL, ZPL, ZPL II, DPL)	
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Media Width	40mm - 112mm (1.6" - 4.4")	
Media Thickness	0.06mm - 0.20 mm (2.36 - 7.87mil)	
Media Core Diameter	25.4mm (1.0")	
Label Length	15mm - 25,400mm (0.59" - 1,000")	
Environment Condition	Operation: 0 to 40°C (32 to 104°F), 10 - 85% non-condensing Storage: -20 to 60°C (-4 to 140°F), 5 - 90% non-condensing	
Safety Regulation	CB, BIS, ISC, KC, Energy Star 3.2	CB, FCC class A, IC class A, NOM, cTUVus, CE class A, UKCA class A, EAC, Energy Star 3.2, BIS, ISC, KC
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