brother
at your side

TD Series Professional Label Printers

Brother's TD series professional label printers provide the flexibility to print high-quality labels on demand.

Print up to 4 inches in width, and with direct thermal printing technology, TD series professional label printers can meet the requirements of a variety of corporate industrial vertical market applications.

TD Series

Seamless Integration

Designed for improved operational efficiency, the high-specification TD series label printers offer a user-friendly experience. These label printers deliver exceptional quality, combining high-speed printing with continuous operation.

With modular design and seamless integration, TD series label printers can function virtually anywhere. Furthermore, compatibility with various printer command languages, such as ZPL II, EPL II, and DPL emulation, ensures smooth integration with existing legacy systems

TD-2310D(203)

TD-2320D(300)

TD-2320DSA(300)

Up to 2 inch width - Direct Thermal

TD-2310D(203)

TD-2320D(300)

TD-2320DSA(300)

Up to 4 inch width - Direct Thermal

TD-4410D

TD-4420DN

TD-4550DNWB

Professional Label Printing

Labels are often required to display important information. TD series label printers can efficiently compile the necessary information and deliver consistent high-quality printouts.

TD series label printers can deliver high print speeds and resolutions up to 300 dpi. Offering versatility, optional accessories such as label peelers or automatic cutters can enable on-demand printing of continuous media in desired lengths.

Brother's P-touch Editor software can create professional labels with its barcode printing, embellished font programming for emphasis, and graphic and data import capabilities for a truly personalised touch.

Direct Thermal Printing Technology

Direct thermal printing is a cost-effective process that is ideal for short-term labelling needs. It utilises a heat-sensitive coating and a thermal print head while eliminating the need for traditional ribbons and ink.

Healthcare, Medical and Laboratory

With strict regulations on the tracking of patient specimens and other items within the healthcare industry, clear and high-quality labelling is essential to maintain safety and traceability.

TD series label printers can implement patient identification, which helps to improve efficiency and reduce human error.

Applications include:

- Appointment cards
- Admission labels
- Specimen and Pathology labels
- Blood bag labels
- Laboratory labels
- Microbiology labels
- Dosage and Drug bag labels
- Wristbands

Warehousing and Logistics

Efficient warehousing operations and worker productivity are crucial to the success of many organisations.

TD series label printers can address this need by printing common and custom label sizes.

This versatility allows for numerous applications within the warehouse, streamlining processes and enhancing worker efficiency.

Applications include:

- Shipping labels
- Carton labels
- Location labels
- Pallet identification labels
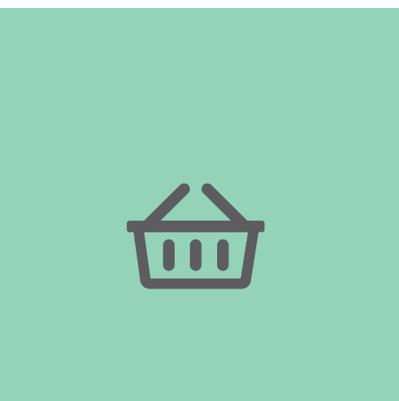- Quality control labels
- Compliance labels

Retail

Easy-to-read labels are essential for consumers to make informed decisions before a purchase.

TD series high-resolution label printers can produce high-quality and professional-looking labels.

These labels feature sharp text, logos, and high-contrast barcodes, enabling faultless scanning at checkout.

Applications include:

- Pricing labels
- Barcode labels
- Pre-packaged food ingredients labels
- Nutrition information labels
- Shelf-edge labels
- Sale/mark-down/discount pricing labels

TD-2D series
Brief Specification

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)
		2 inch	

Printing

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)
Print technology	Direct thermal		
Print resolution	203dpi	300dpi	
Print speed	152.4mm/sec, (6ips)		
Maximum print width	59mm		
Minimum print length	6.4mm		
Maximum print length	1000mm		
Media sensor type	Gap (Transmissive), Black mark (Reflective)		
Media sensor location	Gap (fixed), Reflective (adjustable)		
Release mode	Continuous, Tear off	Continuous, Tear off, Optional: Peel, Cut	

Connectivity

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)
USB	USB version 2.0 (Full Speed) (Type C)		
USB Host Port	—	Yes	
Serial	Original serial cable (option: PA-SCA-002)		
Bluetooth	—	—	—
Wireless LAN	—	—	—
Wired LAN	—	10/100BASE-TX	

General

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)
Dimensions (mm)	119mm (W) x 224mm (D) x 158mm (H)		119mm (W) x 224mm (D) x 176mm (H)
Weight	1.46kg	1.50kg	1.77kg
Control panel	3 button, 3 LED		24 button, 3.5" colour touch screen
Operating systems support	Microsoft Windows 10, 11, Microsoft Windows Server 2016, 2019, 2022, Linux		
Supported commands	Raster ESC/P P-touch Template, ZPL II emulation CPCL emulation, EPL II emulation, DPL emulation		
Mobile Operating systems	Android™ 9 or later		

TD-4D series
Brief Specification

	TD-4410D	TD-4420DN	TD-4550DNWB
		4 inch	

Printing

Print technology	Direct thermal		
Print resolution	203dpi		300dpi
Print speed	203mm/sec, (8ips)		152mm/sec, (6ips)
Maximum print width	104.1mm		108.4mm
Minimum print length	6.4mm		
Maximum print length	3,000mm		
Media sensor type	Gap (transmissive), Bar (reflective)		
Media sensor location	Gap (fixed), Reflective (adjustable)		
Release mode	Continuous, Tear off, Optional: Peel, Cut		

Connectivity

USB	USB version 2.0 (Full Speed) (Type B)		
USB Host Port	—	—	Yes
Serial	Yes	Yes	Yes
Bluetooth	—	—	Yes
Wireless LAN	—	—	Yes
Wired LAN	—	Yes	Yes

General

Dimensions (mm)	180mm (W) x 224mm (D) x 155mm (H)		
Weight	2.08kg		
Control panel	3 button, 3 LED		7 button, 3 LED
Operating systems support	Windows, 7, 8, 8.1, 10, 11, Linux	Windows 7, 8, 8.1, 10, 11, Windows Server 2008, 2008R2, 2012, 2012R2, 2016, 2019, 2022, Linux	
Supported commands	Raster ESC/P P-touch Template ZPL II emulation CPCL emulation EPL II emulation DPL emulation		

Software Support Features

Brother offers a comprehensive solution to meet label printing requirements. label design apps for desktops and mobile devices allow for easy customisation.

Additionally, a Software Development Kit (SDK) can empower the seamless integration of TD series label printers with existing applications.

Brother can provide all the necessary tools for software developers with printer drivers available for Windows, with SDK support extending to mobile platforms like Android™, iOS®, and Windows Mobile.

P-touch Editor

Brother's complimentary P-touch Editor software can be downloaded from Brother Solution Center to create custom labels with pixel-perfect precision.

This versatile software boasts over 15 barcode protocols, advanced image dithering for high-quality grayscale images, and has the ability to link with Excel spreadsheets for efficient batch label printing. With these features, any label designs are possible.

Mobile Deploy

A cloud-based app for mobile devices (iOS®and Android™) allows IT administrators to configure and update multiple Brother label printers remotely.

With Mobile Deploy, IT administrator can easily upload any new update packages to an online location, and share the URLs with their users at remote locations for updates.

Crop Function

TD series label printers eliminate the frustration of misaligned labels, a common issue when using A4 label sheets with standard printers.

Windows driver function can streamlines label printing. It can automatically scans documents to locate barcodes, extracts and prints individual shipping or product labels directly from TD series label printer.

Software Development kit (SDK)

Brother provides complimentary Software Development Kit (SDK) for easy integration with any third-party legacy software programs.

Download from:
https://support.brother.com/g/s/es/dev/en/index.html

Template Mode

Design the required document on a Windows computer including logos and barcodes.

Transferred and stored the template on TD series label printer's memory. Template can be recalled and any data can be replaced before printing with just a few short commands.

Legacy Print Data Conversion

This feature simplifies the integration with the legacy systems by converting the print commands into P-touch Templates.

These templates can be updated externally to a legacy system without requiring any specialist knowledge on the print languages such as ESC/POS or others.

Printer Commands

Extensive emulation capabilities, including ZPL II, EPL II, DPL, and a variety of additional printer command languages, can empower the software developers to integrate TD series label printers seamlessly into any existing legacy system.

(Refer to the specification tables for further details).

Smooth Print

Smooth Print is an app for printing labels or receipts from iOS® or Android™ mobile devices on TD series label printers.

Smooth Print can work from a user's web app or mobile app via a URL scheme.

More details are available from:
https://support.brother.com/g/s/es/dev/en/index.html

* Compatibility vary dependently on models. Refer to the table on the following page for reference.

TD-2D series
Detail Specification

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)

	2 inch		
Printing			
Print technology	Direct thermal		
Print speed	152.4mm/sec, (6ips)		
Resolution	203dpi	300dpi	
Maximum print width	59mm		
Maximum print length	3,000mm		
Minimum print length	6.4mm		
Media sensor type	Gap (transmissive), Black mark (reflective)		
Media sensor location	Gap (fixed), Reflective (adjustable)		
Tear off release mode	Continuous, Tear off	Continuous, Tear off, Optional: Peel, Cut	
Media			
Media types	Wristbands, Continuous, Die-cut, Fan fold, Perforated, Tag		
Media thickness	0.058mm - 0.279mm		
Media width	15mm - 63mm (including liner)		
Media length	6.4mm - 3,000mm		
Diameter (maximum)	127mm		
Core Diameter (maximum)	11mm ~ 38.1mm (using media support discs)		
Connectivity			
USB	USB version.2.0 (Full Speed), (Type C)		
Serial	Original serial cable (option: PA-SCA-002)		
USB host port	—	Yes	
Bluetooth	—		
Bluetooth profile	—		
Wired LAN	—	10/100BASE-TX	
Wireless LAN	—		
Wireless LAN security	—		
General			
Control panel	3 button, 3 LED	24 button, 3.5" colour touch screen	
Power			
Battery charging option	—	Optional: PA-BT-004 (Rechargeable Li-ion battery) with PA-BB-004 (battery base)	
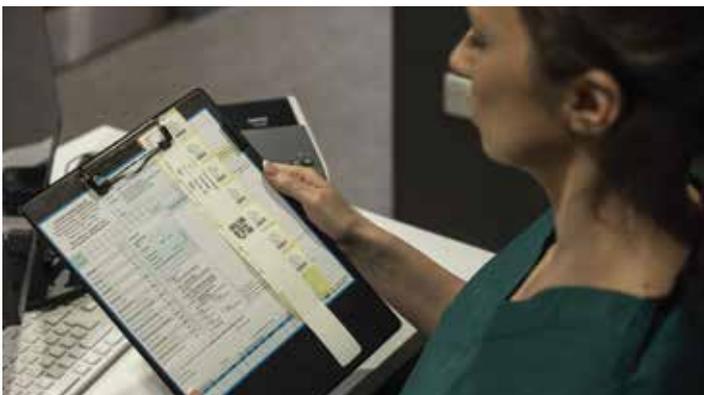
TD-2D series
Detail Specification

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)
	2 inch		

Software

Operating systems support	Microsoft Windows 10, 11, Microsoft Windows Server 2016, 2019, 2022, Linux		
Mobile Operating systems	Android™ 9 or later		Android™ 9 or later, iOS® 15 or later
Supported commands	Raster ESC/P P-touch Template ZPL II emulation CPCL emulation EPL II emulation DPL emulation		

Memory

RAM	256MB		
Flash	32MB	64MB	

Environmental

Operating temperature	Label Printer: 5°C ~ 40°C, Battery charger: 10°C ~ 35°C		
Operating humidity	20% ~ 80% (No condensation, Maximum wet bulb temperature: 27°C)		
Storage temperature	-20°C to 60°C		
Storage humidity	10% to 90% non-condensing		

Weights and Dimensions

Dimensions (mm)	119mm (W) x 224mm (D) x 158mm (H)		119mm (W) x 224mm (D) x 176mm (H)
Weight	1.46kg	1.50kg	1.77kg

Bundled items

Package content	Label Printer		
	AC Power cord and adapter		
	USB (A to C) Cable, 1m long		
	Documentation		
	Media disc: Default: 25mm ~25.4mm (1"), 34.9mm (1.38") included: 11mm ~12.7mm (0.5"), 19mm (0.75")		

TD-4D series
Detail Specification

	TD-4410D	TD-4420DN	TD-4550DNWB

4 inch			

Printing

Print technology	Direct thermal		
Print speed	203mm/sec, (8ips)		152mm/sec, (6ips)
Resolution	203dpi		300dpi
Maximum print width	104.1mm		108.4mm
Maximum print length	3,000mm		
Minimum print length	6.4mm		
Media sensor type	Gap (transmissive), Black mark (reflective)		
Media sensor location	Gap (fixed), Reflective (adjustable)		
Tear off release mode	Standard: Continuous, Tear off, Optional: Peeler, Cutter		

Media

Media types	Wristbands, Continuous, Die-cut, Fan fold, Perforated, Tag		
Media thickness	0.058mm - 0.279mm		
Media width	19mm - 118.11mm		
Media length	6.4mm - 3,000mm		
Diameter (maximum)	127mm		
Core Diameter (minimum)	12.7mm		

Connectivity

USB	USB version 2.0 (Full speed), Type B		
Serial	Serial RS-232C (DB9 male)		
USB host port	—		Yes
Bluetooth	—		Yes
Bluetooth profile	—		SPP, OPP, HCRP Bluetooth Classic, GATT (Bluetooth Low Energy)
Wired LAN	—	10/100BASE-TX	
Wireless LAN	—		IEEE802.11 a/b/g/n (Infrastructure Mode) IEEE802.11 g/n (Wireless Direct mode)
Wireless LAN security	—		Authentic method (encryption scheme) Infrastructure mode Open system(None/WEP64/WEP128) Common key authentication (WEP) WPA/WPA2-PSK (TKIP+AES) EAP-FAST (TKIP/AES) PEAP (TKIP/AES) (EAP-TLS (TKIP/AES) (EAP-TTLS (TKIP/AES) Authentic method (encryption scheme) Wireless direct mode WPA2-PSK (AES)
MFi support	—		Yes
AirPrint	—		Yes

General

Control panel	3 button, 3 LED		7 button, 3 LED

Power

AC Adapter	AC adapter (100V - 240V, 50Hz/60Hz)		

TD-4D series
Detail Specification

	TD-4410D	TD-4420DN	TD-4550DNWB
		4 inch	

Software

	TD-4410D	TD-4420DN / TD-4550DNWB
Operating systems support	Windows 7, 8, 8.1, 10, 11, Linux	Windows 7, 8, 8.1, 10, 11, Windows Server 2008, 2008R2, 2012, 2012R2, 2016, Linux
Supported commands	Raster / ESC/P / P-touch Template / ZPL II emulation / CPCL emulation / EPL II emulation / DPL emulation	
Barcode symbologies	Linear: CODE 39, ITF (I-2/5), EAN-8 (JAN8), EAN-13 (JAN13), UPC-A, UPC-E, CODABAR (NW-7), CODE 128, GS1-128 (UCC/EAN 128), GS1 Databar (Standard (Omnidirectional)/ Truncated/Stacked/Stacked Omnidirectional/ Limited/Expanded), CODE93, POSTNET, UPC/EAN EXTENSION, MSI, Intelligent Mail Barcode / 2-dimensional: QR Code (model 1, model 2, micro QR), Maxicode, PDF417 (Standard, Truncate, MicroPDF417) Data Matrix (ECC200 Square, ECC200 Rectangular) Aztec	
Internal fonts	<ESC/P> BMP: 9 / LetterGothicBold: 3 (15,21,28dot) / Helsinki: 3 (15,21,28dot) / Gothic: 3 (16,24,32dot) <ESC/P> Outline: 4 / LetterGothicRegular / Helsinki, Brussels, Gothic / 1 dots - 400 dots <ZPL> BMP: 10 / LetterGothicBold: 5(9,11,18,26,60dot) / Symbol: 1 (24dot) / OCR-A: 2 (21,34dot) / OCR-B: 2 (28,42dot) / Outline: 1 / UtahCondensedBold / 1 dots - 400 dots <P-touch Template> BMP: 20 / LetterGothicBold: 4 (16,24,32,48dot) / Helsinki: 4 (16,24,32,48dot) / Brussels: 3 (24,32,48dot) / Brougham: 3 (24,32,48dot) / San Diego: 3 (24,32,48dot) / Gothic: 3 (16,24,32dot) Outline: 4 / LetterGothicRegular / Helsinki, Brussels, Gothic	

Memory

RAM	256MB
Flash	64MB

Environmental

Operating temperature	Operate: 5°C to 40°C
Operating humidity	20% ~ 85% (No condensation, Maximum wet bulb temperature: 27°C)
Storage temperature	-20°C to 60°C
Storage humidity	10% to 90% non-condensing

Weights and Dimensions

Dimensions (mm)	180mm (W) x 224mm (D) x 155mm (H)
Weights	2.08kg

Bundled items

Package content	Label Printer
	AC power cord and adapter
	USB (A to B) Cable, 1m long
	Documentation

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