

**TD Series
Professional
desktop label
printers**



**Versatile,
high-resolution
desktop label
printers**



Brother's TD Professional label printers series offers the ability to print high-quality labels on demand, whatever is required. Print up to 4 inches in width for 4 inches label printer models, and via direct thermal printing technology, they can fit the requirements of a wide range of vertical market applications.



TD Professional
desktop label printers



Brother's TD series high-specification desktop label printers deliver improved operational efficiency with easy-to-use, high-speed, and continuous label printing. Combined with seamless integration and modular design, print from virtually anywhere in the workplace. Supporting a variety of printer command languages, including ZPL II emulation, TD series label printers can integrate into any existing legacy systems.



Up to 2 inch - Direct Thermal



TD-2020A

TD-2120N

TD-2130N

TD-2135N

TD-2135NWB

Up to 4 inch - Direct Thermal



TD-4410D

TD-4420DN

TD-4520DN

TD-4550DNWB



Professional label printing

Labels are often required to display a considerable amount of important information, A label printer can put it all together efficiently, with consistency, and deliver high-quality results.

TD series desktop label printers offer direct thermal and high-speed printing with up to 300 dpi resolution. Optional accessories include a label peeler or automatic cutter, for producing continuous media to the required length on demand. The software supports barcode printing, and embellish font programming for highlighting specific words, and also allows the importing of graphics and date formats for a truly personalised solution.

Printing Technology

Direct Thermal

Low-cost, high-volume labels can be created through direct thermal printing, which uses a heat-sensitive coating and thermal print head. This means that traditional ribbons and ink are not required. It is ideal for a shorter term and less permanent labelling uses.

Healthcare, Medical and Laboratory



With strict regulations on tracking 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 help healthcare organisations 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/Prescription labels
- Wristbands



Warehousing and Logistics



Efficient warehousing operations and workers' productivity are critical to the success of many companies. With the most common sizes of shipping labels available and the ability to create custom-sized labels, there are many uses for these labels in the warehouse.

Applications include:

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

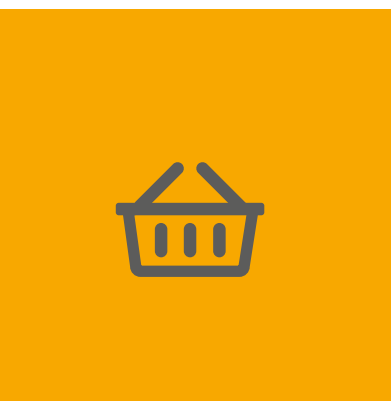




Easy-to-read labels are essential for consumers to make informed decisions before a potential purchase. The high print resolution and high-quality labels used in this label printer series ensure that every output printed looks professional, offering sharp text, logos, and barcodes with high contrast to ensure faultless scanning at the retail checkout.

Applications include:

- Price labels
- Barcode labels
- Pre-packaged food ingredients labels
- Nutrition information labels
- Shelf-edge labels
- Sale/Mark-down/Discount pricing labels



TD-2000 Range

Specification

TD-2020A

TD-2120N

TD-2130N

2 inch

Printing

Print technology	Direct thermal		
Print speed	152mm per second		
Resolution	203dpi		300dpi
Maximum print width	56mm		
Minimum print length	6mm		
Maximum print length	1000mm		
Media sensor type	Gap (transmissive), Bar (reflective)		
Media sensor location	Gap (fixed), Reflective (adjustable)		
Tear off release mode	●	●	●

Connectivity

USB	●	●	●
Serial (via adapter)	●	●	●
Wired LAN	—	●	●
USB Host Port	—	●	●
Wireless LAN (option)	—	●	●

General

Dimensions (mm)	110mm (W) x 215mm (D) x 172mm (H)		
Weight	1.32kg		1.34kg
Control panel	3 buttons, 2 LED		
LCD*	—		●
Operating system support	Windows® 8.1, 10, 11, Linux	Windows® XP, Vista 7, 8, 10, 11 Windows® Server 2008, 2008R2 Windows® Server 2012, 2012R2, 2016, 2019, 2022, Linux	
Supported commands	P-touch Template, ESC/P, Raster, ZPL II emulation		

* Requires optional accessory: PA-TDU-001 Touch Display Unit

TD-2000 Series

Specification

TD-2135N

TD-2135NWB

2 inch

Printing

Print technology	Direct thermal	
Print speed	152mm per second	
Resolution	300dpi	
Maximum print width	56mm	
Minimum print length	6mm	
Maximum print length	1000mm	
Media sensor type	Gap (transmissive), Bar (reflective)	
Media sensor location	Gap (fixed), Reflective (adjustable)	
Tear off release mode	●	●

Connectivity

USB	●	●
Serial (via adapter)	●	●
Wired LAN	●	●
USB Host Port	●	●

General

Dimensions (mm)	110mm (W) x 215mm (D) x 172mm (H)	
Weight	1.33kg	1.34kg
Control panel	3 buttons, 2 LED	
LCD*	●	●
Operating system support	Windows® 8.1, 10, 11 Windows® Server 2012, 2012R2, 2016, 2019, 2022	
Supported commands	P-touch Template 2.0, ZPLII emulation, Raster, ESC/P, CPCL emulation	

* Requires optional accessory: PA-TDU-001 Touch Display Unit

TD-4D Range Specification

TD-4410D

TD-4420DN

TD-4520DN

TD-4550DNWB

4 inch

Printing

Print technology	Direct thermal		
Print speed	203mm per second	152mm per second	
Resolution	203dpi	300dpi	
Maximum print width	104.1mm	108.4mm	
Minimum print length	Continuous: 6.4mm, Peeler: 12.7mm, Cutter: 20mm, Tear: 27mm		
Maximum print length	3000mm		
Media sensor type	Gap (transmissive), Bar (reflective)		
Media sensor location	Gap (fixed), Reflective (adjustable)		
Tear off release mode	Standard: Continuous, Tear off Optional: Peeler, Cutter		

Connectivity

USB	●	●	●	●
Serial	●	●	●	●
Wired LAN	—	●	●	●
USB Host Port	—	—	—	●
Bluetooth	—	—	—	●
Wireless LAN	—	—	—	●

General

Dimensions (mm)	180mm (W) x 224mm (D) x 155mm (H)		
Weight	2.08kg		
Control panel	3 buttons, 3 LED		7 buttons 3 LED
LCD	—		●
Operating system support	Windows® 7, 8, 8.1, 10, 11, Linux	Windows® 7, 8, 8.1, 10, 11, Windows® Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019, 2022, Linux	
Supported commands	P-touch Template, ESC/P, Raster, ZPLII, EPL2, DPL, CPCL emulation		

TD-2000 Accessories

Brother has designed and engineered a wide range of accessories to help customise the solution to meet specific labelling requirements. Brother's accessories can help end-users to equip their device to cope with any specific requirements of use.

Optional Accessories

PA-WI-001

Wi-Fi Interface

TD-2120N
TD-2130N



PA-TDU-001

Touch Display Unit

TD-2120N
TD-2130N
TD-2135N
TD-2135NWB



PA-BB-001

Battery Charging Unit*

TD-2120N
TD-2130N



* Requires PA-BT-4000LI

PA-BT-4000LI

Rechargeable Li-ion Battery*

TD-2120N
TD-2130N



* Requires PA-BB-001

PA-LP-001

Label Peeler

TD-2120N
TD-2130N
TD-2135N
TD-2135NWB



PA-LP-002

Label Peeler

TD-4410D
TD-4420DN
TD-4520DN
TD-4550DNWB



PA-CU-001

Cutter

TD-4410D
TD-4420DN
TD-4520DN
TD-4550DNWB



PA-HU2-001

Thermal Print Head (203dpi)

TD-4410D
TD-4420DN



PA-HU3-001

Thermal Print Head (300dpi)

TD-4520DN
TD-4550DNWB



PA-PR2-001

Platen Roller (203dpi)

TD-4410D
TD-4420DN



PA-PR3-001

Platen Roller (300dpi)

TD-4520DN
TD-4550DNWB



Equipped with label design software for computers and Software Development Kits (SDK) for integration into third parties applications, TD label printer series is versatile to accommodate many requirements.

Brother provides all the necessary tools required for software developers to integrate printing into their applications. Printer drivers are available for Windows® OS, and SDK can be provided to support Windows® Mobile*, Android™, and iOS® operating systems.

Software Support Features

P-touch Editor

Supplied as standard, create customised labels with pixel precision by using this powerful software solution.

Support for over 15 barcode protocols with advanced image dithering to print high-quality grayscale images, and with the ability to link to data contained in Excel spreadsheets for batch label printing, any label design is possible.

Crop Function

Built into Windows® driver, this function helps to take away the inconvenience of using A4 sheets of labels in a standard printer.

This brilliant feature automatically scans through the document and when any barcode is detected, the labels will be extracted one at a time for printing out as individual label on Brother's label printer.

Template Mode

Design required documents on Windows® computer, including logos and barcodes. The templates will be stored in the label printer's memory after being transferred. The templates can be recalled and any data can be replaced before printing by using a few short commands.

Printer Commands

With the support for ZPL II emulation and a variety of additional printer command languages, developers can easily integrate printing into any existing legacy systems (refer to specification tables for further details).

Mobile Deploy

Cloud-based app for mobile devices (iOS® and Android™) allows IT administrators to remotely update and configure selected multiple Brother's wireless label printers.

With Mobile Deploy, an administrator can easily upload any new update packages to an online location, and share the URLs with their end-users.

Software Development Kits (SDK)

Brother supplies a selection of free-of-charge Software Development Kit for easy integration of label printing directly into third parties' software applications.

Available from:

<https://support.brother.com/g/s/es/dev/en/index.html>

Legacy Print Data Conversion

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

These templates can be updated externally to the legacy system without requiring any specialist's knowledge of print languages such as ESC/POS and others.

* Compatibility may vary depending on label printer model. Check table on the following page.



Software

Part Number	TD-2020A	TD-2120N	TD-2130N	TD-2135N	TD-2135NWB	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
P-touch Editor	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mobile Deploy App									✓
Brother Font Manager*						✓	✓	✓	✓
Printer Settings Tool	✓	✓	✓	✓	✓	✓	✓	✓	✓
Crop Function (Windows® driver)								✓	✓

* Font licensee permissions are required

Brother's label printers have all the specifications to fit any labelling requirements



TD-2000 Range Specification

TD-2020A

TD-2120N

TD-2130N

2 inch

Printing

Print technology	Direct thermal	
Print speed	Maximum 6 ips (152.4mm per second) (*Under Brother standard environment) (Battery option: Maximum 3 ips (76.2mm per second))	
Resolution	203dpi	300dpi
Maximum print width	56mm (2.205 inch)	
Maximum print length	1,000mm (9.37 inch)	
Minimum print length	6mm (0.24 inch)	
Media sensor type	Gap (transmissive), Bar (reflective)	
Media sensor location	Reflective (adjustable), Gap (fixed)	
Tear off release mode	Standard: Continuous, Tear off	Standard: Continuous, Tear off Optional: Peeled

Media

Media types	Receipt, label and wristband	
Media thickness	0.058mm - 0.279mm (0.0023 inch to 0.011 inch)	
Media width	19mm - 63mm (0.75 inch to 2.48 inch)	
Media length	12.7mm - 1,000mm (0.5 inch to 39.37 inch)	
Diameter (maximum)	127mm (5 inch)	
Core Diameter (maximum)	25.4mm (1 inch)	

Connectivity

USB	●	●	●
Serial	Yes, RS232C, *Original serial cable (option required)		
Wired LAN	—	10/100BASE-TX	
USB host port	—	Supported only PA-WI-001 (optional) or barcode readers	
Wireless LAN (option)	—	IEEE802.11b/g/n (Infrastructure Mode), IEEE802.11b (Adhoc mode)	
Wireless LAN security	—	Open System (None/WEP) <Personal mode> Open System (None/WEP) Public Key Authentication (WEP) WPA-PSK/WPA2-PSK (TKIP/AES) <Enterprise mode> LEAP (CKIP) EAP-FAST (TKIP/AES) PEAP (TKIP/AES) EAP-TTLS (TKIP/AES) EAP-TLS (TKIP/AES)	

General

Control panel	3 buttons, 2 LED		
Touch Panel keyboard display with real time clock (option)	—	●	●
Tear bar	●	●	●
Label Peeler	—	Optional	
Battery (option)	—	●	●
Battery charging time	—	180 minutes, (23°C New battery)	
Battery yield	—	57mm x 200m (1 roll : 5 inch OD roll) * Connected by USB with new battery with full charging. Printed by Brother special data (9% coverage at 57mm x 127mm) at 23°C (*Under Brother standard environment)	
Serial adapter	Yes, RS232C, *Original serial cable (option required)		

TD-2000 Range Specification

TD-2020A

TD-2120N

TD-2130N

2 inch

Memory

RAM	256MB	32MB
Flash	64MB	16MB

Environmental

Operating temperature	Operate: 5°C to 40°C	Operate: 5°C to 40°C, Charge: 5°C to 40°C
Operating humidity	20% to 80% (No condensation, Maximum wet bulb temperature: 27°C)	
Storage temperature	-20°C to 60°C	
Storage humidity	20% to 80% (No condensation, Maximum wet bulb temperature: 45°C)	

Weights & Dimensions

Dimensions (mm)	110mm (W) x 172 mm (H) x 215mm (D)	
Weights	Printer: 1.32kg	Printer without battery: 1.34kg, Printer with battery: 1.88kg

Package content

Supplied in the box	Printer	
	AC Power cord and AC Power adapter	
	(Printer Driver, P-touch Editor 5.0, P-touch Transfer Manager 2.1, P-touch Update Software, BRAdmin Light, Printer Setting tool, User's Guide, Software User's Guide, Network User's Guide)	
	USB Cable (mini-USB)	
	Quick Reference Guide, Product Safety Guide	



TD-2000 Range Specification

TD-2135N

TD-2135NWB

2 inch

Printing

Print technology	Direct thermal
Print speed	152.4mm per second (6ips)
Resolution	300dpi
Maximum print width	56mm (2.2 inch)
Maximum print length	1,000mm (39.3 inch)
Minimum print length	6mm (0.23inch)
Media sensor type	Gap (transmissive), Bar (reflective)
Media sensor location	Reflective (adjustable), Gap (fixed)
Tear off release mode	Standard: Continuous, Tear off Optional: Peeled

Media

Media types	Receipt (Non-coated and Coated), Die cut label, Tag, Wristband
Media thickness	0.058mm - 0.279mm (0.0023 inch to 0.011 inch)
Media width	19mm - 63mm (0.75 inch to 2.48 inch)
Media length	12.7mm - 1,000mm (0.5 inch to 39.37 inch)
Diameter (maximum)	127mm (5 inch)
Core Diameter (maximum)	25.4mm (1 inch)

Connectivity

USB	●	●
Serial	Yes, *Original serial cable (Option: PA-SCA-001)	
Wired LAN	10/100BASE-TX	
USB host port	Yes	
Bluetooth	—	Version 5.2 +BLE
Bluetooth profile	—	SPP (Serial Port Profile) / OPP (Object Push Profile) / HCRP (Hard Copy Replacement Profile) / MFi(iAP2) supported
Wireless LAN	—	Infrastructure IEEE802.11b/g/n 2.4GHz, Wireless Direct IEEE802.11g/n 2.4GHz *IEEE802.11a/n 5GHz, Ad-hoc is not supported
Wireless LAN security	—	Infrastructure Mode: <Personal mode> Open System (None/WEP) Public Key Authentication (WEP) WPA-PSK/WPA2-PSK/WPA3-SAE (TKIP+AES) WPA3-SAE (AES) <Enterprise mode> EAP-FAST (TKIP/AES) PEAP (TKIP/AES) EAP-TTLS (TKIP/AES) EAP-TLS (TKIP/AES) *LEAP is not supported.

General

Control panel	3 buttons, 2 LED	
Touch Panel keyboard display with real time clock (option)	●	●
Tear bar	●	●
Label Peeler	Optional	
Battery (option)	—	
Serial adapter	Yes, RS232C, *Original serial cable (option required)	

TD-2000 Range Specification

TD-2135N

TD-2135NWB

2 inch

Memory

RAM	256MB
Flash	64MB

Environmental

Operating temperature	Operate: 5°C to 40°C
Operating humidity	20% to 80% (No condensation, Maximum wet bulb temperature: 27°C)
Storage temperature	-20°C to 60°C
Storage humidity	20% to 80% (No condensation, Maximum wet bulb temperature: 45°C)

Weights & Dimensions

Dimensions (mm)	110mm (W) x 172mm (H) x 215mm (D)	
Weights	Printer: 1.33kg	Printer: 1.34kg

Package content

Supplied in the box	Printer, AC Power cord, AC Power adapter, USB Cable (mini-USB), Quick Reference Guide, Product Safety Guide	
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TD-4D Range Specification

TD-4410D

TD-4420DN

TD-4520DN

TD-4550DNWB

4 inch

Printing

Print technology	Direct thermal		
Print speed	203mm per second		152mm per second
Resolution	203dpi		300dpi
Maximum print width	104.1mm		108.4mm
Minimum print length	Continuous: 6.4mm, Peeler: 12.7mm, Cutter: 20mm, Tear: 27mm		
Maximum print length	3000mm		
Media sensor type	Gap (Transmissive), Bar (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 (0.002 inch to 0.011 inch)		
Media width	19mm - 118.11mm (0.75 inch to 4.65 inch)		
Media length	6.4mm - 3,000mm (0.25 inch to 118.11 inch)		
Diameter (maximum)	127mm (5 inch)		
Core Diameter (minimum)	12.7mm (0.5 inch)		

Connectivity

USB	USB version 2.0 (full speed) Type B		
USB host capability	—		●
Serial	Serial RS232C (DB9 male)		
Wired LAN	10/100BASE-TX		
USB host port	—		●
Bluetooth	—		Version 4.2
Bluetooth profile	—		SPP, OPP, HCRP Bluetooth Classic, GATT (Bluetooth Low Energy)
Wireless LAN	—		802.11a/b/g/n
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) Wireless direct mode: WPA2-PSK (AES)
MFI support	—		●
AirPrint	—		●
Wired LAN	—	●	●

TD-4D Range Specification

TD-4410D

TD-4420DN

TD-4520DN

TD-4550DNWB

4 inch

General

Control panel	3 buttons, 3 LED	7 buttons, 3 LED
LCD type	—	Monochrome

Power

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

Operating system support	Windows® 7, 8, 8.1, 10, 11 Linux	Windows® 7, 8, 8.1, 10, 11 Windows® Server 2008, 2008R2, 2012, 2012R2, 2016 Linux
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Supported printer commands	P-touch Template, ESC/P, Raster, ZPL2, EPL2, DPL, CPCL emulation
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Barcode symbologies	Linear: CODE 39, ITF (1-2/5), 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
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Internal fonts	ESC/P> Bitmap font: LetterGothicBold (16, 24, 32, 48dot), Helsinki (16, 24, 32, 48dot), Brussels (24, 32, 48dot), Brougham (24, 32, 48dot), San Diego (24, 32, 48dot), Gothic (16, 24, 32dot) Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 - 400dots) <P-touch Template> Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 - 400dots) Downloadable font support* via Font Manager software
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Memory

RAM	256MB
Flash	64MB

Environmental

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

Weights & Dimensions

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

Package content

Supplied in the box	AC Power adapter, AC Power cord, USB cable, User guide
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brother
at your side