brother
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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, and with direct thermal printing technology, they can fit the requirements of a large 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
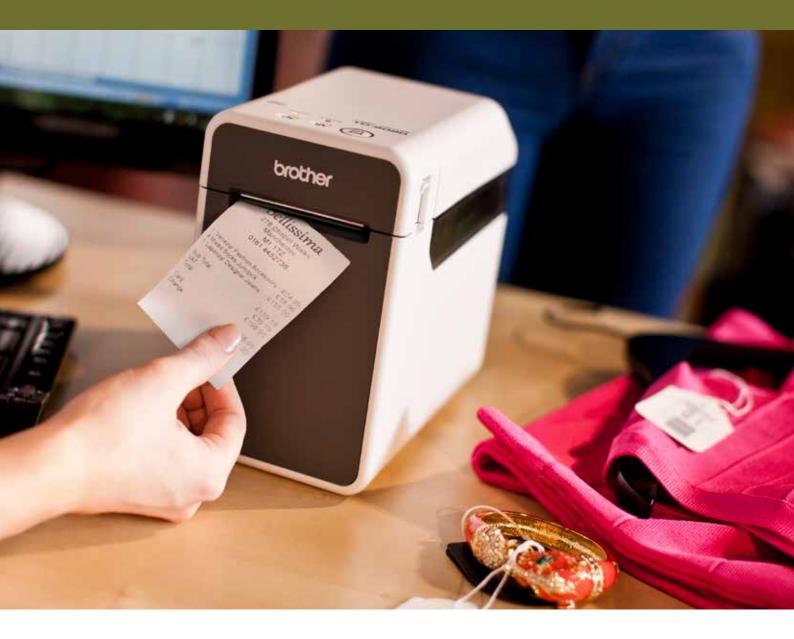- Dosage/Prescription labels
- Wristbands

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
Specifications

	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, 2008 R2 Windows® Server 2012, 2012 R2, 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
Specifications

	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, ZPL II emulation, Raster, ESC/P, CPCL emulation	

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

TD-4D Range
Specfications

	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

	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
USB	●	●	●	●
Serial	●	●	●	●
Wired LAN	–	●	●	●
USB Host Port	–	–	–	●
Bluetooth	–	–	–	●
Wireless LAN	–	–	–	●

General

	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
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, ZPL II, EPL2, DPL, CPCL emulation			

TD 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	PA-TDU-001	PA-BB-001	PA-BT-4000LI	PA-LP-001
Wi-Fi Interface	Touch Display Unit	Battery Charging Unit*	Rechargable Li-ion Battery*	Label Peeler
TD-2120N TD-2130N	TD-2120N TD-2130N TD-2135N TD-2135NWB	TD-2120N TD-2130N	TD-2120N TD-2130N	TD-2120N TD-2130N TD-2135N TD-2135NWB
		* Requires PA-BT-4000LI	* Requires PA-BB-001	

PA-LP-002	PA-CU-001	PA-HU2-001	PA-HU3-001	PA-PR2-001	PA-PR3-001
Label Peeler	Cutter	Thermal Print Head (203dpi)	Thermal Print Head (300dpi)	Platen Roller (203dpi)	Platen Roller (300dpi)
TD-4410D TD-4420DN TD-4520DN TD-4550DNWB	TD-4410D TD-4420DN TD-4520DN TD-4550DNWB	TD-4410D TD-4420DN	TD-4520DN TD-4550DNWB	TD-4410D TD-4420DN	TD-4520DN TD-4550DNWB

Software Support Features

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. Label Printer drivers are available for Windows® OS, and SDK can be provided to support Windows® Mobile*, Android™, and iOS® operating systems.

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.

Mobile Deploy

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

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.

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

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.

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.

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).

* Compatibility may vary depending on label printer model. Refer to 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

For further details, visit: https://support.brother.com

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

TD-2000 Range
Specifications

	TD-2020A	TD-2120N	TD-2130N
		2 inch	

Printing

	TD-2020A	TD-2120N	TD-2130N
Print technology	Direct thermal		
Print speed	Maximum 6 ips (152.4 mm 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 (39.37 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

	TD-2020A	TD-2120N	TD-2130N
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 - 1,000 mm (0.5 inch to 39.37 inch)		
Diameter (max)	127mm (5 inch)		
Core Diameter (max)	25.4mm (1 inch)		

Connectivity

	TD-2020A	TD-2120N	TD-2130N
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 (Ad-hoc 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

	TD-2020A	TD-2120N	TD-2130N
Control panel	3 buttons, 2 LED		
Touch Panel keyboard display with real time clock (option)	—	●	●
Tear bar	●	●	●
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, 57mm x 127mm) at 23°C (*Under Brother standard environment)	
Serial adapter	Yes, RS232C, *Original serial cable (option required)		

TD-2000 Range
Specifications

	TD-2020A	TD-2120N	TD-2130N
		2 inch	

Memory

	TD-2020A	TD-2120N	TD-2130N
RAM	256MB	32MB	
Flash	64MB	16MB	

Environmental

	TD-2020A	TD-2120N	TD-2130N
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

	TD-2020A	TD-2120N	TD-2130N
Dimensions (mm)	110mm (W) x 172mm (H) x 215mm (D)		
Weights	Label Printer: 1.32kg	Label Printer: 1.34kg, Label Printer with battery: 1.88kg	

Package content

	TD-2020A	TD-2120N	TD-2130N
Supplied in the box	Label Printer		
	AC Power cord and AC Power adapter		
	—	(Label 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
Specifications

	TD-2135N	TD-2135NWB
	2 inch	

Printing

	TD-2135N	TD-2135NWB
Print technology	Direct thermal	
Print speed	152.4mm per second (6ips)	
Resolution	300dpi	
Maximum print width	56mm (2.205 inch)	
Maximum print length	1,000mm (39.37 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 Optional: Peeled	

Media

	TD-2135N	TD-2135NWB
Media types	Receipt (Non-coated & 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

	TD-2135N	TD-2135NWB
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

	TD-2135N	TD-2135NWB
Control panel	3 buttons, 2 LED	
Touch panel keyboard display with real time clock (option)	●	●
Tear bar	●	●
Peeler	Optional	
Battery (option)	—	
Serial adapter	Yes, RS232C, *Original serial cable (option required)	

TD-2000 Range
Specifcations

	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	Label Printer: 1.33kg	Label Printer : 1.34kg
Package content		
Supplied in the box	Label Printer, AC Power Adapter, AC Power cord, USB Cable (mini-USB), Quick Reference Guide, Product Safety Guide	

TD-4D Range
Specifications

	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	—	●	●	●

* Not suitable for RFID media

TD-4D Range
Specifications

	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)		

Software

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 Linux		
Supported printer commands		P-touch Template, ESC/P, Raster, ZPL II, EPL2, DPL, CPCL 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, Micro PDF417) Data Matrix (ECC200 Square, ECC200 Rectangular) Aztec		
Internal fonts		ESC/P> Bitmap font: Letter Gothic Bold (16, 24, 32, 48dots), Helsinki (16, 24, 32,48dot), Brussels (24, 32, 48 dots), Brougham (24, 32, 48dots), San Diego (24, 32, 48dots), Gothic (16, 24, 32dots) Outline font: Letter Gothic Regular, Helsinki, Brussels, Gothic (1 dot - 400dots) <P-touch Template> Outline font: Letter Gothic Regular, Helsinki, Brussels, Gothic (1 dot - 400dots) Downloadable font support* via Font Manager software		

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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