

Professional 4 inch Desktop Label Printers

TD-4D Series



Versatile, High Resolution Desktop Label Printers

Brother's range of TD-4D professional label printers offer the ability to print high quality labels on demand. Print labels up to 4 inches in width and with direct thermal print technology, they fit the requirements of a large variety of vertical market applications.



TD-4D professional
desktop label printers



Seamless Integration

Brother high specification 4 inch desktop label printers bring improved operational efficiency with easy to use, high speed and continuous label printing. Combined with seamless integration and modular design, print virtually from anywhere in the workplace. Supporting a variety of printer command languages such as ZPL II emulation that allows integration into any existing legacy systems.



Professional Label Printing

Labels are required to display important information. TD-4D Professional label printer can put it all together efficiently, with consistency and high quality results.

TD-4D series of desktop label printers offers direct thermal high speed printing and at up to 300 dpi print resolution. Options such as a peeler or automatic cutter for printing continuous media to the required length on demand.

The software supports barcode printing, embellish font programming for highlighting specific words and allows importing of graphics and date formats for a truly personalised solution.

Printing Technology

Direct Thermal

Low-cost, high-volume labels can be created through this process, which uses a heat-sensitive coating and thermal print head where traditional printing ribbons and ink are not required. Ideal for shorter term and less permanent labelling uses.



Healthcare, Medical and Laboratory

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

Applications include:

- Appointment cards
- Admission labels
- Specimen and pathology labels
- Blood bag labels
- Laboratory labels
- Microbiology labels
- Dosage or drug bag labels



Warehousing and Logistics



Efficient warehousing operation and worker productivity are critical to the success of many companies. With the most common sizes of shipping labels available and the ability to create custom size labels, there are many uses for these label printers in the warehouse.

Applications include:

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

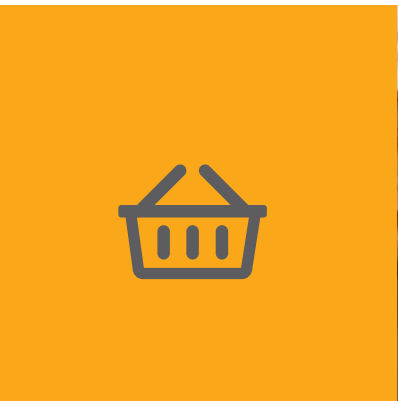
Retail



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

Applications include:

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



TD-4D Range

Brief 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 connection				●
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®, Linux	Windows®, Windows® Server®, Linux
Supported commands	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation	

TD-4D Accessories

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

TD-4D Additional Options					
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
					



With label design apps for desktop PC, mobile devices and SDK to integrate TD-4D range into end-users applications, select the best option for the labelling needs.

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 Software Development Kits (SDK) and can support Windows® Mobile*, Android™ and iOS® operating systems.

Software Support Features

P-touch Editor

Create customised labels with pixel precision with this powerful label editing software solution.

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

Crop Function

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

This intelligent feature can automatically scans through the document to locate a barcode, extract the shipping or product labels one at-a-time and print.

Template Mode

Design required document on Windows® PC, logos and barcodes. Once transferred and stored in the label printer's memory, the template can be recalled and any data can be replaced, before printing using only a few short commands.

Mobile Deploy

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

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

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).

Software Development Kits (SDK)

Brother provides complimentary Software Development Kits (SDK) to incorporate label printing directly from end-users' software programs.

Available from: <https://www.brother.co.jp/eng/dev/index.aspx>

Compatibility may vary depending on model, refer to the table on following page for reference.



Software

Part Number	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
P-touch Editor	✓	✓	✓	✓
Mobile Deploy App				✓
Brother Font Manager	✓	✓	✓	✓
Printer Settings Tool	✓	✓	✓	✓
Crop Function (Windows® Driver)			✓	✓

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

TD-4D Range
Detail
Specification

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 - 118.11 mm (0.75 inch to 4.65 inch)
Media length	6.4mm - 3,000 mm (0.25 inch to 118.11 inch)
Diameter (Maximum)	127mm (5 inch)
Core Diameter (Maximum)	12.7mm (0.5 inch)

Connectivity

USB	USB version 2.0 (full speed) Type B			
USB host capability	-			Yes
Serial	Serial RS232C (DB9 male)			
Wired LAN	-		10/100BASE-TX	
USB host port	-			Yes
Bluetooth® wireless connection	-			Bluetooth® Dual-Mode (Classic + Low Energy)
Bluetooth® Profile	-			SPP, OPP, HCRP, GATT
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) Authentic method (encryption scheme) Wi-Fi® Direct mode -WPA2-PSK (AES)
Made for iPhone	No	No	No	Yes
AirPrint®	No	No	No	Yes
Wired LAN	No	Yes	Yes	Yes

TD-4D Range
Detail
Specification

General

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

Power

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

Operating system support	Windows®, Linux	Windows®, Windows® Server®, Linux
Supported printer commands	P-touch Template, ESC/P, Raster, ZPL II emulation, 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, MicroPDF417), Data Matrix (ECC200 Square, ECC200 Rectangular), Aztec	
Internal fonts	<ESC/P> Bitmap font: Letter Gothic Bold (16, 24, 32, 48 dots), Helsinki (16, 24, 32, 48dots), Brussels (24, 32, 48dots), Brougham (24, 32, 48dots), San Diego (24, 32, 48dots), Gothic (16, 24, 32dots) Outline font: Letter Gothic Regular, Helsinki, Brussels, Gothic (1 - 400dots) <P-touch Template> Outline font: Letter Gothic Regular, Helsinki, Brussels, Gothic (1 - 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, Maximum 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

Content	AC Power adapter, USB cable, documentations
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* Font licensee permissions are required. Models availability differ by country. Please contact your local Brother Sales office for more information.

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at your side