brother
at your side

Professional 4 inch desktop label printers

TD-4D Series

Versatile, high resolution desktop 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.
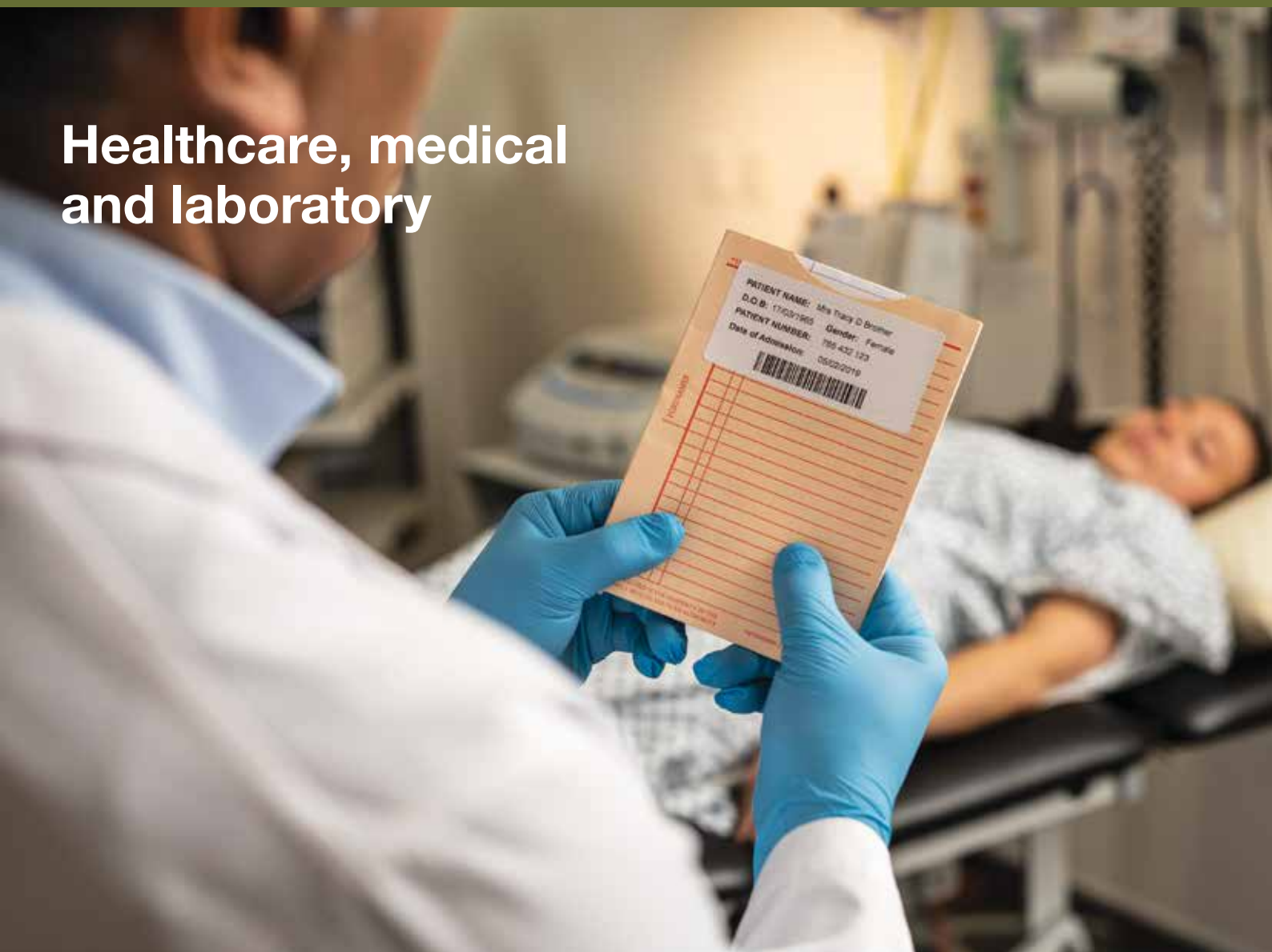
Printing Technology

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

	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			
Max 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 button 3 LED			7 button 3 LED
LCD				●
Operating system support	Windows 7/8/8.1/10 Linux		Windows 7/8/8.1/10, Windows Server 2008/2008R2/2012/2012R2/2016 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 accessories help end-users to equip 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-4410D	TD-4410D	TD-4520DN	TD-4410D	TD-4520DN
TD-4420DN	TD-4420DN	TD-4420DN	TD-4550DNWB	TD-4420DN	TD-4550DNWB
TD-4520DN	TD-4520DN				
TD-4550DNWB	TD-4550DNWB				

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

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

Software Support Features

P-touch Editor

Create customised labels with pixel precision by using this powerful 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 or any label design is possible.

Mobile Deploy

Cloud-based app for mobile devices (iOS and Android™), which allows IT administrators to remotely update and configure multiple Brother mobile printers. Using Mobile Deploy, the administrator can easily upload new update packages to an online location and share the URLs with their end-users.

Crop Function

Built into the Windows driver, this function helps to take away the inconvenience of using A4 sheets labels in standard printer. This clever feature automatically scans through the document and where a barcode is present, to extract the shipping or product labels one at-a-time and print.

Printer Commands

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

Template Mode

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

Software Development Kits (SDK)

Brother supply a selection of free of charge 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

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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

	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
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				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) Authentic method (encryption scheme) Wireless direct mode -WPA2-PSK (AES)
MFI support	No	No	No	Yes
AirPrint	No	No	No	Yes
Wired LAN	No	Yes	Yes	Yes

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

General

	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
Control panel		3 button 3 LED		7 button 3 LED
LCD type				Mono

Power

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

Software

	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
Operating system support	Windows 7/8/8.1/10 Linux	Windows 7/8/8.1/10 Windows Server 2008/2008R2/2012/2012R2/2016 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: 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		

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		

* Font licensee permissions are required.