

# Professional Desktop Label Printers

TD-4420DN  
TD-4550DNWB



**Brother's range of TD Professional Label Printers offer the ability to print high quality labels on demand, whatever the requirement. Printing labels up to 108mm in width, and with direct thermal print technology, they fit the requirements of a large range of vertical market applications.**



## **TD Professional Desktop Label Printers**

### **Seamless Integration**

Brother's new high specification, Desktop Label Printers bring you improved operational efficiency with easy to use, continuous, high speed 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 allows you to integrate into existing legacy systems.



**TD-4550DNWB**



**TD-4420DN**



**Labels are often required to display a considerable amount of important information. You need a printer that can put it all together efficiently, with consistent, high-quality results.**

The TD Series of Desktop Label Printers offers direct thermal high speed printing, at up to 300dpi resolution. Options include a peeler or cutter for producing continuous media to your required length or demand.

The software supports barcode printing, embellished font programming to highlight specific words and the import of graphics and date formats for a truly personalised solution.

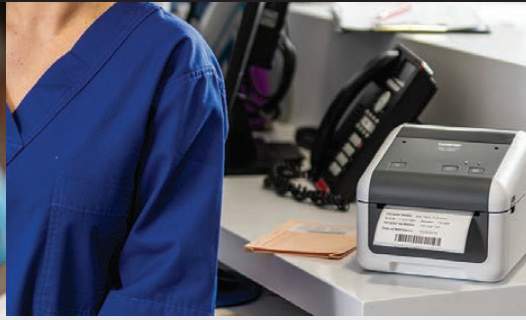


TD-4550DNWB

## Direct Thermal Printing Technology

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

# Applications



## Healthcare, Medical and Laboratory Applications

Clear, quality labelling is essential in maintaining safety and traceability in the tracking and identification of patient specimens and other similar items within the healthcare industry. These include:

- Appointment Cards
- Admission Labels
- Specimen and Pathology Labels
- Blood Bag Labels
- Laboratory Labels
- Microbiology Labels
- Dosage for Medicine Bag Labels
- Medicine Bottle Dosage Information



## Warehousing and Logistics Applications

The TD Label Range offers the most common sizes of shipping labels as well as the ability to create custom size labels. This in turn allows productivity to increase as you can effortlessly create any type of label you need. Some examples include:

- Shipping Labels
- Carton Labels
- Location Labels
- Pallet Identification Labels
- Quality Control Labels
- Compliance Labels



## Retail Applications

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, you're ensured to get effortless scanning at checkout every time. Some examples include:

- Pricing Labels
- Barcode Labels
- Pre-packed Food Ingredients Labels
- Nutrition Information Labels
- Shelf Edge Labels
- Sale/Mark-down/Discount Pricing Labels

## Additional Options

Brother has designed and engineered a wide range of accessories to help customise the solution to meet your specific labelling requirements. Brother accessories help users equip their device to cope with the specific requirements of use.

### PA-LP-001

Label Peeler

Compatible with:  
TD-4420DN  
TD-4550DNWB



### PA-CU-001

Cutter

Compatible with:  
TD-4420DN  
TD-4550DNWB



### PA-HU2-001

Thermal Print Head (203dpi)

Compatible with:  
TD-4420DN



### PA-HU3-001

Thermal Print Head (300dpi)

Compatible with:  
TD-4550DNWB



### PA-PR2-001

Platen Roller (203dpi)

Compatible with:  
TD-4420DN



### PA-PR3-001

Platen Roller (300dpi)

Compatible with:  
TD-4550DNWB



# Software Support Features and Compatibility



You can now choose the best option for all of your label printing needs. Brother's Label Design Apps allow the TD Range to easily integrate with your desktop PC's, mobile devices or SDK's. Printer drivers are available for Windows OS and Software Development Kits are available to support Windows Mobile, Android and iOS operating Systems.

## P-touch Editor

Supplied as standard, you can create your own custom labels with pixel precision by using this powerful software solution. Create any label design with features such as support for over 15 barcode protocols, advanced image dithering (for high quality grayscale image printing), and the ability to link to data contained in Excel spreadsheets for batch label printing.

## Crop Function

Built into the Windows driver, this function helps take away the inconvenience of using A4 sheets of labels in your standard printer. This clever feature automatically scans through the documents and extracts shipping or product labels one at a time where a barcode is present and then prints them as individuals on the Brother Label Printer.

## Template Mode

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

## 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 the Mobile Deploy App, the administrator can easily upload new update packages to an online location, and then share the URL's with the users. (TD-4550DWNB Only)

## Software Development Kits

Brother can also supply a selection of free of charge Software Development Kits (SDK's) and commands to give you an easy method of label printing from unique applications to the Brother Label Printers. Download Kits available from: <https://www.brother.co.jp/eng/dev/index.aspx>

## 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 (see specification tables for further details).

Software Compatibility may vary dependant on model, the below table indicates which App is available for which Label Printer. For further details, visit: <https://support.brother.com>

	TD-4420DN	TD-4550DNWB
<b>P-touch Editor</b>	✓	✓
<b>Mobile Deploy App</b>		✓
<b>Brother Font Manager</b>	✓	✓
<b>Printer Settings Tool</b>	✓	✓
<b>Crop Function (Windows Driver)</b>		✓

# The Range in Detail

## TD-4420DN

## TD-4550DNWB

### PRINTING

<b>Print Technology</b>	Direct Thermal	
<b>Print Speed</b>	203mm/sec	152mm/sec
<b>Resolution</b>	203dpi	300dpi
<b>Max. Print Width</b>	104.1mm	108.4mm
<b>Min. Print Length</b>	Continuous: 6.4mm, Peeler: 12.7mm, Cutter: 20mm, Tear: 27mm	
<b>Max. Print Length</b>	3000mm	
<b>Media Sensor Type</b>	Gap (Transmissive), Bar (Reflective)	
<b>Media Sensor Location</b>	Gap (Fixed), Reflective (Adjustable)	
<b>Tear Off Release Mode</b>	Standard: Continuous, Tear Off    Optional: Peeler, Cutter	

### MEDIA

<b>Media Types</b>	Wristbands, Continuous, Die Cut, Fan Fold, Perforated, Tag
<b>Media Thickness</b>	0.058mm - 0.279mm
<b>Media Width</b>	19mm - 118.1mm
<b>Media Length</b>	6.4mm - 3,000mm
<b>Diameter (Max)</b>	127mm
<b>Core Diameter (Max)</b>	12.7mm

### CONNECTIVITY

<b>USB</b>	USB Version 2.0 (Full Speed) Type B	
<b>USB Host Capability</b>	Yes	
<b>Serial</b>	Serial RS232C (DB9 Male)	
<b>Wired LAN</b>	10/100BASE-TX	
<b>USB Host Port</b>	Yes	
<b>Bluetooth</b>	Version 4.2	
<b>Bluetooth Profile</b>	SPP, OPP, HCRP, Bluetooth Classic, GATT (Bluetooth Low Energy)	
<b>Wireless LAN</b>	802.11a/b/g/n	
<b>Wireless LAN Security</b>	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)	
<b>MFI Support</b>	No	Yes
<b>AirPrint</b>	No	Yes
<b>Wired LAN</b>	Yes	Yes

### GENERAL

<b>Control Panel</b>	3 Button 3 LED	7 Button 3 LED
<b>LCD Type</b>	None	Mono

# The Range in Detail

## TD-4420DN

## TD-4550DNWB

### POWER

Adapter	AC Adaptor (100 - 240V 50/60Hz)
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### SOFTWARE

Operating System Support	Windows 7/8/8.1/10, Windows Server 2008/2008R2/2012/2012R2/2016/2019, 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 * Font Licensee Permissions are required.

### MEMORY

RAM	256MB
Flash	64MB

### ENVIRONMENTAL

Operating Temperature	5 °C - 40 °C
Operating Humidity	20 - 85% (No Condensation, Max Wet Bulb Temperature: 27 °C)
Storage Temperature	-20 °C - 60 °C
Storage Humidity	10 - 90% (No Condensation)

### WEIGHTS AND DIMENSIONS

Dimensions (mm)	180(w) x 155(d) x 224(h)
Weights	2.08kg

### INCLUDED ITEMS

Supplied in Box	AC Adaptor & Cord, USB Cable Documentations
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