

# Professional desktop thermal printers

TD Series

[www.brother.co.uk](http://www.brother.co.uk)



# Versatile, high-resolution desktop printers

Brother's range of TD professional thermal printers allows you to print high quality labels on demand. Printing labels up to 4 inches in width, using direct thermal and thermal transfer print technology, they fit the requirements of a large range of market applications.



TD professional desktop label printers



## Seamless Integration

Brother's high specification desktop label printers bring you 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, the TD printers allow you to integrate into existing legacy systems.



## Up to 2 inch - Direct Thermal



TD-2020



TD-2120N



TD-2130N

## Up to 4 inch - Direct Thermal



TD-4210D



TD-4410D



TD-4420DN



TD-4520DN



TD-4550DNWB

## Up to 4 inch - Thermal Transfer / Direct Thermal



TD-4420TN



TD-4520TN



TD-4650TNWB



TD-4750TNWB



TD-4650TNWBR



TD-4750TNWBR

# Professional label printing



# Healthcare, medical and laboratory



Labels are often required to display a considerable amount of important information, so 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 and thermal transfer high speed printing, at up to 300 dpi resolution. Options include a peeler or automatic cutter, for producing continuous media to your required length on demand. The software supports barcode printing, embellish font programming for highlighting specific words, and also allows you to import graphics and date formats for a truly personalised solution.

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

A selection of the thermal transfer TD models offer RFID capability, enabling healthcare organisations to implement paper-free patient identification - improving efficiency and reducing human error.

### Applications include:

- Appointment cards
- Admission labels
- Specimen, phlebotomy and pathology labels
- Blood bag labels
- Laboratory labels
- Microbiology labels
- Dosage/drug bag labels
- Wristbands.

## 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, meaning traditional printing ribbons and ink are not required. Ideal for shorter term and less permanent labelling uses.

### Thermal Transfer

Crisp, durable printing is achieved through a process in which the ink is absorbed into the label, making it ideal for applications that require robust, harder-wearing and/or RFID 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 sized labels there are many uses for these models in the warehouse.

## Applications include:

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

# Retail

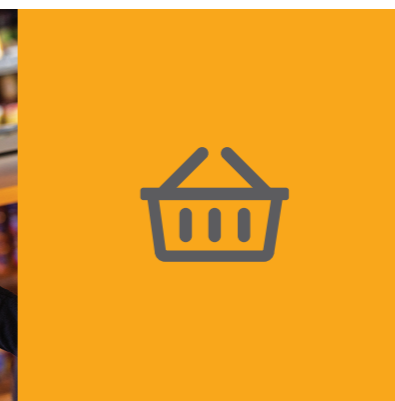


Easy to read labels are essential for consumers to help make informed decisions prior to a potential purchase. The high print resolution and high quality labels used in this range ensure that every output printed looks professional, offering sharp text, logos and barcodes with a high contrast to ensure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

Futhermore, printing labels with RFID tags enables retailers to streamline inventory management and asset tracking while improving security.

## Applications include:

- Pricing labels
- Barcode labels
- Pre-packaged food ingredient and allergen labels
- Nutrition information labels
- Shelf-edge labels
- Sale/mark-down/discount pricing labels.



# TD-2000 Range

## brief summary

|                          | TD-2020   | TD-2120N   | TD-2130N |
|--------------------------|---|--|----------|
|                          | <b>2 Inch</b>                                     |  |          |
| <b>Printing</b>          |   |  |          |
| Print technology         | Direct thermal                                    |  |          |
| Print speed              | 152mm/sec   |  |          |
| Resolution               | 203dpi  |  | 300dpi   |
| Max print width          | 56mm  |  |          |
| Min print length         | 6mm   |  |          |
| Max print length         | 1000mm  |  |          |
| Media sensor type        | Gap (transmissive), Bar (reflective)              |  |          |
| Media sensor location    | Gap (fixed), Reflective (adjustable)              |  |          |
| Tear off release mode    | ●   | ●  | ●        |
| <b>Connectivity</b>      |   |  |          |
| USB                      | ●   | ●  | ●        |
| Serial (via adapter)     | ●   | ●  | ●        |
| Wired LAN                |   | ●  | ●        |
| USB Host Port            |   | ●  | ●        |
| Wireless LAN (option)    |   | ●  | ●        |
| <b>General</b>           |   |  |          |
| Dimensions (mm)          | 110 (w) x 215 (d) x 172 (h)                       |  |          |
| Weight                   | 1.32kg  |  | 1.34kg   |
| Control panel            | 3 button 2 LED                                    |  |          |
| LCD*                     |   | ●  |          |
| Operating system support | Windows XP/Vista 7/8/10/11, Linux                 | Windows XP/ Vista 7/8/10/11<br>Windows Server 2008/2008R2<br>Windows Server 2012/2012R2, Linux |          |
| Supported commands       | P-touch Template, ESC/P, Raster, ZPL II emulation |  |          |

\* Via Touch Display Unit (optional)

# TD-2000 Accessories and supplies

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.

## Power and additional options

### PA-WI-001

#### Wi-Fi Interface

TD-2120N  
TD-2130N



### PA-TDU-001

#### Touch Display Unit

TD-2120N  
TD-2130N



### PA-BB-001

#### Battery Charging Unit\*

TD-2120N  
TD-2130N



\* Requires PA-BT-4000LI

### PA-BT-4000LI

#### Li-ion rechargeable Battery\*

TD-2120N  
TD-2130N



\* Requires PA-BB-001

### PA-LP-001

#### Label Peeler

TD-2120N  
TD-2130N



## Desktop printing supplies

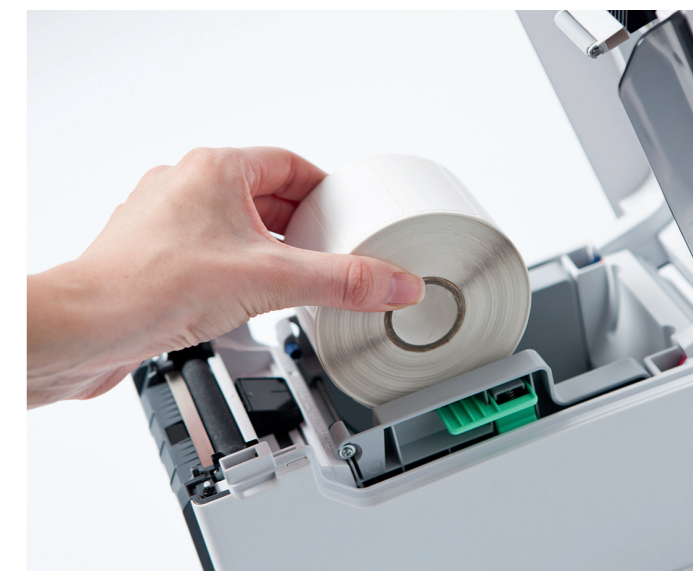
### TD-2000



| Supply type | Part code        | Description             | Size          | Quantity     | Rolls/Box |
|-------------|------------------|-------------------------|---------------|--------------|-----------|
| Receipt     | BDL-7J000058-102 | Continuous receipt roll | 58mm x 101.6m | n/a          | 8         |
| Labels      | BDE-1J026051-102 | Die-cut labels roll     | 51mm x 26mm   | 1,900 labels | 16        |

### Custom label requirements

Should you not be able to find the appropriate label size in our portfolio, then do not hesitate to contact us. We are happy to listen to your needs and see if we can develop the label that meets your requirements.



# TD-4D Range

## brief summary

TD-4210D      TD-4410D      TD-4420DN      TD-4520DN      TD-4550DNWB

**4 Inch**

### Printing

|                       |   |           |  |           |  |
|-----------------------|---|-----------|--|-----------|--|
| Print technology      | Direct thermal  |           |  |           |  |
| Print speed           | 127mm/sec   | 203mm/sec |  | 152mm/sec |  |
| Resolution            | 203dpi  |           |  | 300dpi    |  |
| Max print width       | 104.1mm   |           |  | 108.4mm   |  |
| Min 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

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

### General

|                          |  |  |  |                |   |
|--------------------------|--|--|--|----------------|---|
| Dimensions (mm)          | 180(w) x 224(d) x 155(h)   |  |  |                |   |
| Weight                   | 2.08kg   |  |  |                |   |
| Control panel            | 3 button 3 LED   |  |  | 7 button 3 LED |   |
| LCD                      | —  |  |  |                | ● |
| 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 |                |   |
| Supported commands       | P-touch Template, ESC/P, Raster, ZPL2, EPL2, DPL, CPCL emulation |  |  |                |   |

# TD-4D Accessories and consumable supplies

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

## TD-4D Additional options

| PA-LP-002<br>Label peeler   | PA-CU-001<br>Cutter   | PA-HU2-001<br>Thermal print head (203dpi)   | PA-HU3-001<br>Thermal print head (300dpi)   | PA-PR2-001<br>Platen roller (203dpi)  | PA-PR3-001<br>Platen roller (300dpi)  | TD4HOLDERU1<br>Tablet holder  |
|---|---|---|---|---|---|---|
| TD-4410D<br>TD-4420DN<br>TD-4520DN<br>TD-4550DNWB                                   | TD-4410D<br>TD-4420DN<br>TD-4520DN<br>TD-4550DNWB                                   | TD-4410D<br>TD-4420DN   | TD-4520DN<br>TD-4550DNWB  | TD-4410D<br>TD-4420DN   | TD-4520DN<br>TD-4550DNWB  | TD-4420DN<br>TD-4520DN<br>TD-4550DNWB   |
|  |  |  |  |  |  |  |

## Desktop printing supplies TD-4D



| Supply type | Part code        | Description             | Size            | Quantity     | Rolls/Box |
|-------------|------------------|-------------------------|-----------------|--------------|-----------|
| Receipt     | BDL-7J000102-058 | Continuous receipt roll | 101.6mm x 32.2m | n/a          | 20        |
|             | BDL-7J000076-066 | Continuous receipt roll | 76mm x 42m      | n/a          | 8         |
|             | BDL-7J000058-102 | Continuous receipt roll | 58mm x 101.6m   | n/a          | 8         |
|             | BDL-7J000058-040 | Continuous receipt roll | 58mm x 13.8m    | n/a          | 24        |
| Labels      | BDE-1J000102-102 | Continuous label roll   | 102mm x 58m     | n/a          | 8         |
|             | BDE-1J050102-102 | Die-cut label roll      | 102mm x 50mm    | 1,050 labels | 8         |
|             | BDE-1J152102-058 | Die-cut label roll      | 102mm x 152mm   | 85 labels    | 20        |
|             | BDE-1J152102-102 | Die-cut label roll      | 102mm x 152mm   | 350 labels   | 8         |
|             | BDE-1J026076-102 | Die-cut label roll      | 76mm x 44mm     | 1,900 labels | 8         |
|             | BDE-1J044076-066 | Die-cut label roll      | 76mm x 44mm     | 400 labels   | 8         |
|             | BDE-1J026051-102 | Die-cut label roll      | 51mm x 26mm     | 1,900 labels | 16        |
|             | BDE-1J026051-060 | Die-cut label roll      | 51mm x 26mm     | 500 labels   | 12        |



# TD-4T Range

## brief summary

|               |           |             |             |              |              |
|---------------|-----------|-------------|-------------|--------------|--------------|
| TD-4420TN     | TD-4520TN | TD-4650TNWB | TD-4750TNWB | TD-4650TNWBR | TD-4750TNWBR |
| <b>4 Inch</b> |           |             |             |              |              |

### Printing

|                       |   |           |  |             |                                   |             |
|-----------------------|---|-----------|--|-------------|-----------------------------------|-------------|
| Print technology      | Thermal Transfer/Direct Thermal                         |           |  |             |                                   |             |
| Print speed           | 152mm/sec   | 127mm/sec | 203.2mm/sec  | 152.4mm/sec | 203.2mm/sec                       | 152.4mm/sec |
| Resolution            | 203dpi  | 300dpi    | 203dpi   | 300dpi      | 203dpi                            | 300dpi      |
| Max print width       | 108mm   | 105.7mm   | 108mm  | 105.7mm     | 108mm                             | 105.7mm     |
| Min print length      | Peeler: 25.4mm,<br>Cutter: 25.4mm<br>Tear: 50mm         |           | Continuous: 5mm<br>Tear mode: Media width less than 2 inch: 25.4 mm<br>Media width greater than 2 inch: 50 mm<br>Peeler mode: 25.4mm Cutter mode: 25.4mm |             |                                   |             |
| Max print length      | 25,400mm  | 11,430mm  | 25,400mm   | 11,430mm    | 25,400mm                          | 11,430mm    |
| 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 |           |  |             | Standard:<br>Continuous, tear off |             |

### Connectivity

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

### Connectivity

|                          |  |  |
|--------------------------|--|--|
| Dimensions (mm)          | 204(w) x 280(d) x 178(h)   | 219(w) x 284(d) x 191(h)   |
| Weight                   | 2.5kg  | 2.5kg  |
| Control panel            | 1 button 1 LED with 3 colours  | 1 LED with 3 colors. 6 buttons for Navigation, MENU and FEED/PAUSE/SELECT  |
| LCD                      | —  | ● ● ● ●  |
| Operating system support | Windows 7/8/8.1/10/11<br>Windows Server 2008/2008R2/2012/2012R2/2016<br><br>OS X 10.10.x,10.11.x<br>macOS 10.12.x, 10.13.x, 10.14.x, 11<br>Linux | Windows 7<br>Windows 8<br>Windows 8.1<br>Windows 10<br>Windows 11<br><br>Windows Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019<br>Linux<br>Mac OS v10.6-11 |
| Supported commands       | FBPL-EZD (EPL2, ZPL2, DPL) emulation   |  |

# Desktop printing supplies

## TD-4T



### TD-4T Additional Options

#### PA-RH-001

##### External Roll Holder

TD-4420TN  
TD-4520TN  
TD-4650TNWB  
TD-4750TNWB  
TD-4650TNWBR  
TD-4750TNWBR



#### PA-CU-003

##### Cutter

TD-4420TN  
TD-4520TN  
TD-4650TNWB  
TD-4750TNWB  
TD-4650TNWBR\*  
TD-4750TNWBR\*



#### PA-LP-004

##### Peeler

TD-4420TN  
TD-4520TN  
TD-4650TNWB  
TD-4750TNWB  
TD-4650TNWBR\*  
TD-4750TNWBR\*



\* Not recommended for use with RFID tags

| Supply type   | Part code            | Description                              | Size          | Quantity     | Rolls/Box |
|---------------|----------------------|--|---------------|--------------|-----------|
| Labels        | BUS-1J074102-121     | Uncoated thermal transfer die cut labels | 102mm x 74mm  | 1,100 labels | 6         |
|               | BUS-1J150102-121     | Uncoated thermal transfer die cut labels | 102mm x 150mm | 550 labels   | 6         |
|               | BCS-1J074102-121     | Coated thermal transfer die cut labels   | 102mm x 74mm  | 1,100 labels | 6         |
|               | BCS-1J150102-121     | Coated thermal transfer die cut labels   | 102mm x 150mm | 550 labels   | 6         |
| Ribbons       | BWS-1D300-060        | Standard wax ribbon                      | 60mm x 300m   | n/a          | 12        |
|               | BWS-1D300-080        | Standard wax ribbon                      | 80mm x 300m   | n/a          | 12        |
|               | BWS-1D300-110        | Standard wax ribbon                      | 110mm x 300m  | n/a          | 12        |
|               | BWP-1D300-060        | Premium wax ribbon                       | 60mm x 300m   | n/a          | 12        |
|               | BWP-1D300-080        | Premium wax ribbon                       | 80mm x 300m   | n/a          | 12        |
|               | BWP-1D300-110        | Premium wax ribbon                       | 110mm x 300m  | n/a          | 12        |
|               | BSS-1D300-060        | Standard wax/resin ribbon                | 60mm x 300m   | n/a          | 12        |
|               | BSS-1D300-080        | Standard wax/resin ribbon                | 80mm x 300m   | n/a          | 12        |
|               | BSS-1D300-110        | Standard wax/resin ribbon                | 110mm x 300m  | n/a          | 12        |
|               | BSP-1D300-060        | Premium wax/resin ribbon                 | 60mm x 300m   | n/a          | 12        |
|               | BSP-1D300-080        | Premium wax/resin ribbon                 | 80mm x 300m   | n/a          | 12        |
|               | BSP-1D300-110        | Premium wax/resin ribbon                 | 110mm x 300m  | n/a          | 12        |
|               | BRS-1D300-060        | Standard resin ribbon                    | 60mm x 300m   | n/a          | 12        |
|               | BRS-1D300-080        | Standard resin ribbon                    | 80mm x 300m   | n/a          | 12        |
|               | BRS-1D300-110        | Standard resin ribbon                    | 110mm x 300m  | n/a          | 12        |
|               | BRP-1D300-060        | Premium resin ribbon                     | 60mm x 300m   | n/a          | 12        |
| BRP-1D300-080 | Premium resin ribbon | 80mm x 300m                              | n/a           | 12           |           |
| BRP-1D300-110 | Premium resin ribbon | 110mm x 300m                             | n/a           | 12           |           |

For additional consumable options please contact your local Brother office.

With label design apps for desktop PCs and mobile devices, and Software Development Kits (SDKs) to integrate the TD range into your own applications, you can choose the best option for your label printing 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 SDKs can be provided to support Windows Mobile,\* Android and iOS operating systems.

## Software, support and features



### P-touch Editor

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

### 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 document and where a barcode is present it extracts shipping or product labels one at a time then prints as individual labels 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.

### 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).

### 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 then share the URLs with the users.

### Software Development Kits (SDKs)

Brother can also supply a selection of free of charge Software Development Kits to give you an easy method of incorporating label printing directly from within your own software programs. Available from: [www.brother.eu/developer](http://www.brother.eu/developer)

### Legacy Print Data Conversion

This feature simplifies integration with legacy systems by converting print commands into P-touch templates. These templates can be updated externally to the legacy system without the need of specialist knowledge of print languages such as EPL, ESC/POS and others.

## Software

| Model No                        | TD-2020 | TD-2120N | TD-2130N | TD-4210D | TD-4410D | TD-4420DN | TD-4520DN | TD-4550DNWB | TD-4420TN | TD-4520TN | TD-4650TNWB | TD-4750TNWB | TD-4650TNWBR | TD-4750TNWBR |
|---------------------------------|---------|----------|----------|----------|----------|-----------|-----------|-------------|-----------|-----------|-------------|-------------|--------------|--------------|
| P-touch Editor                  | ✓       | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         | ✓           |           |           |             |             |              |              |
| Mobile Deploy App               |         |          |          |          |          |           |           | ✓           |           |           |             |             |              |              |
| Brother Font Manager*           |         |          |          | ✓        | ✓        | ✓         | ✓         | ✓           |           |           |             |             |              |              |
| Printer Settings Tool           | ✓       | ✓        | ✓        | ✓        | ✓        | ✓         | ✓         | ✓           |           |           |             |             |              |              |
| Bartender Ultra Lite Edition    |         |          |          |          |          |           |           |             | ✓         | ✓         | ✓           | ✓           | ✓            | ✓            |
| Brother Printer Management Tool |         |          |          |          |          |           |           |             | ✓         | ✓         | ✓           | ✓           | ✓            | ✓            |
| Crop Function (Windows driver)  |         |          |          |          |          |           | ✓         | ✓           |           |           |             |             |              |              |

\* Compatibility may vary dependent on model - check table on following page

\* Font licensee permissions are required

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



## TD-2000 Range in detail

TD-2020

TD-2120N

TD-2130N

2 Inch

### Printing

|                       |   |  |
|-----------------------|---|--|
| Print technology      | Direct thermal  |  |
| Print speed           | MAX 6 ips (152.4 mm/sec) (*Under Brother standard environment) (Battery option: Max 3 ips (76.2mm/sec)) |  |
| Resolution            | 203dpi  | 300dpi   |
| Max. print width      | 56mm (2.205 inch)   |  |
| Max. print length     | 1,000 mm (9.37 inch)  |  |
| Min. 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<br>Optional: Not supported   | Standard: Continuous, tear off<br>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        | 12.7 mm - 1,000 mm (0.5 inch to 39.37 inch)   |  |
| Diameter (max)      | 127mm (5 inch)                                |  |
| Core Diameter (max) | 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  |   |
| Bluetooth (option)    | —  | ●   | ● |
| Bluetooth profile     | —  | SPP (Serial Port Profile) / BIP (Basic Imaging Profile) / OPP (Object Push Profile) supported   |   |
| Wireless LAN (option) | —  | IEEE802.11b/g/n (Infrastructure Mode) IEEE802.11b (Adhoc mode)  |   |
| Wireless LAN security | —  | Open System (None/WEP)<br><Personal mode><br>Open System (None/WEP) Public Key Authentication (WEP)<br>WPA-PSK/WPA2-PSK (TKIP/AES)<br><br><Enterprise mode><br>LEAP (CKIP)<br>EAP-FAST (TKIP/AES)<br>PEAP (TKIP/AES)<br>EAP-TTLS (TKIP/AES)<br>EAP-TLS (TKIP/AES) |   |

### General

|  |  |   |   |
|--|--|---|---|
| Control panel  | 3 button 2 LED                                       |   |   |
| Touch panel keyboard display with real time clock (option) | —  | ●   | ● |
| Tear bar   | ●  | ●   | ● |
| Peeler   | —  | Optional  |   |
| Battery (option)   | —  | ●   | ● |
| Battery charging time                                      | —  | 180 min. (23°C New battery)   |   |
| Battery yield  | —  | 57mm x 200m (1 roll : 5 inch OD roll)<br>* Connected by USB with new battery with full charging. Printed by Brother special data<br>*9% coverage 57mm x 127mm<br>at 23 degree Celsius (*Under Brother standard environment) |   |
| Adapter  | Yes RS232C * Original serial cable (option required) |   |   |

## TD-2000 Range in detail

TD-2020

TD-2120N

TD-2130N

2 Inch

### Memory

|       |      |  |
|-------|------|--|
| RAM   | 32MB |  |
| Flash | 16MB |  |

### Environmental

|                 |   |  |
|-----------------|---|--|
| Media types     | Operate: 5°C to 40°C  | Operate: 5°C to 40°C Charge: 5°C to 40°C |
| Media thickness | 20 to 80% (No condensation, Maximum wet bulb temperature: 27°C) |  |
| Media width     | -20°C to 60°C   |  |
| Media length    | 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 2.91 pound         | Printer: 1.34kg 2.96 pound. Printer with battery: 1.88kg 4.15 pound |

### Included Items

|                 |   |  |
|-----------------|---|--|
| Supplied in box | Printer   |  |
|                 | AC power cord & AC adaptor  |  |
|                 | CD (Printer Driver, P-touch Editor 5.0, P-touch Transfer Manager 2.1, P-touch Update Software, Printer Setting tool, User's Guide, Software User's Guide) | CD (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 (including warranty card)   |  |



# TD-4D Range

## in detail

TD-4210D

TD-4410D

TD-4420DN

TD-4520DN

TD-4550DNWB

4 Inch

### Printing

|                       |   |           |           |
|-----------------------|---|-----------|-----------|
| Print technology      | Direct thermal  |           |           |
| Print speed           | 127mm/sec   | 203mm/sec | 152mm/sec |
| Resolution            | 203dpi  |           | 300dpi    |
| Max. print width      | 104.1mm   |           | 108.4mm   |
| Min. 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  |           |           |

### 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 (max)      | 127mm (5 inch)   |
| Core Diameter (min) | 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 | —                                   |               | See model TD-4650TNWB specifications and also includes Wireless direct mode WPA2-PSK (AES) |
| MFI support           | —                                   |               | ●  |
| AirPrint              | —                                   |               | ●  |
| Wired LAN             | —                                   | ●             | ●  |

# TD-4D Range

## in detail

TD-4210D

TD-4410D

TD-4420DN

TD-4520DN

TD-4550DNWB

4 Inch

### General

|               |                |                |
|---------------|----------------|----------------|
| Control panel | 3 button 3 LED | 7 button 3 LED |
| LCD type      | —              |                |
|               | Mono           |                |

### Power

|         |                                 |  |
|---------|---------------------------------|--|
| Adapter | AC adapter (100 - 240V 50/60Hz) |  |
|---------|---------------------------------|--|

### Software

|                          |                                |   |
|--------------------------|--------------------------------|---|
| Operating system support | Windows 7/8/8.1/10/11<br>Linux | Windows 7/8/8.1/10/11<br>Windows Server 2008/2008R2/2012/2012R2/2016<br>Linux |
|--------------------------|--------------------------------|---|

|                            |  |
|----------------------------|--|
| Supported printer commands | P-touch Template, ESC/P, Raster, ZPL2, 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, MicroPDF417) Data Matrix (ECC200 Square, ECC200 Rectangular) Aztec |
|---------------------|--|

|                |  |
|----------------|--|
| Internal fonts | ESC/P><br>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)<br>Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 - 400dots)<br><P-touch Template><br>Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 - 400dots)<br>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) | 180(w) x 155(d) x 224(h) |
| Weights         | 2.08kg                   |

### Included Items

|                 |   |
|-----------------|---|
| Supplied in box | AC adaptor & cord, USB cable, documentation |
|-----------------|---|

\* Not suitable for RFID media

# TD-4T Range

## in detail

|               |           |             |             |              |              |
|---------------|-----------|-------------|-------------|--------------|--------------|
| TD-4420TN     | TD-4520TN | TD-4650TNWB | TD-4750TNWB | TD-4650TNWBR | TD-4750TNWBR |
| <b>4 Inch</b> |           |             |             |              |              |

### Printing

|                       |   |           |   |             |   |             |
|-----------------------|---|-----------|---|-------------|---|-------------|
| Print technology      | Thermal Transfer/Direct Thermal                         |           |   |             |   |             |
| Print speed           | 152mm/sec   | 127mm/sec | 203.2mm/sec   | 152.4mm/sec | 203.2mm/sec   | 152.4mm/sec |
| Resolution            | 203dpi  | 300dpi    | 203dpi  | 300dpi      | 203dpi  | 300dpi      |
| Max. print width      | 108mm   | 105.7mm   | 108mm   | 105.7mm     | 108mm   | 105.7mm     |
| Min. print length     | Peeler: 25.4mm,<br>Cutter: 25.4mm Tear: 50mm            |           | Continuous: 5mm Tear mode: Media width less than 2 inch: 25.4 mm<br>Media width greater than 2 inch: 50 mm Peeler mode: 25.4mm<br>Cutter mode: 25.4mm |             |   |             |
| Max. print length     | 25,400mm  | 11,430mm  | 25,400mm  | 11,430mm    | 25,400mm  | 11,430mm    |
| 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 |           | Standard: Continuous, tear off<br>Optional: Peeler, Cutter  |             | Standard: Continuous, tear off<br>Optional: Peeler, Cutter* |             |

### Media

|                     |  |  |   |
|---------------------|--|--|---|
| Media types         | Wristbands, Continuous, Die cut, Fan fold, Perforated, Tag | Media type Continuous, black mark, label with gap, notch media, punched hole media | Media type Continuous, black mark, label with gap, notch media, punched hole media, Gen2 RFID tag |
| Media thickness     | 0.06 - 0.19 mm (0.002 inch to 0.007 inch)                  |  |   |
| Media width         | 20 - 112mm (0.79 inch to 4.41 inch)                        |  |   |
| Media length        | 5mm - Max. print length (0.20 inch to Max inch)            |  |   |
| Diameter (max)      | 127mm (5 inch)   |  |   |
| Core Diameter (min) | 25.4mm & 38.1mm<br>(1.0 inch & 1.5 inch)                   | 25.4mm & 38.1mm  |   |

### Ribbon

|                                  |  |
|----------------------------------|--|
| Types                            | Wax, Wax/Resin, Resin  |
| Wound type                       | Outside wound  |
| Ribbon width                     | 40 - 110 mm (1.57 inch to 4.33 inch)   |
| Suggested paper core width       | 0.5 inch paper core: fixed width 110mm, width 2 notches in each side<br>fixed width 110mm with 2 notches in each side<br>1inch paper core: paper core width is the same as ribbon width and use with ribbon spindles |
| Inner paper core & ribbon length | 0.5 inch paper core:<br>Max. OD 40mm, 110m length<br>1inch paper core:<br>Max. OD 67mm,<br>300m length   |

### Connectivity

|                       |                                     |   |
|-----------------------|-------------------------------------|---|
| USB                   | USB version 2.0 (full speed) Type B | USB Version 2.0 (High Speed)  |
| USB host capability   | ● ●                                 | ● ● ● ●   |
| Serial                | Serial RS232C (DB9 female)          | Serial RS232C (DB9 female)  |
| Wired LAN             | 10/100BASE-TX                       |   |
| USB host port         | ● ●                                 | ● ● ● ●   |
| Bluetooth             | —                                   | Version 5.0   |
| Bluetooth profile     | —                                   | SPP, Bluetooth Classic, GATT  |
| Wireless LAN          | —                                   | 802.11a/b/g/n   |
| Wireless LAN security | —                                   | Authentic method (encryption scheme)<br>Infrastructure mode - Open system (None/ WEP64/WEP128)<br>Common key authentication (WEP) WPA/WPA2 - PSK (TKIP+AES)<br>EAP-FAST (TKIP/AES), PEAP (TKIP/AES), EAP-TLS (TKIP/AES),<br>EAP-TTLS (TKIP/AES) |
| MFI support           | —                                   | —   |
| AirPrint              | —                                   | —   |
| Wired LAN             | ● ●                                 | ● ● ● ●   |

\* Not suitable for RFID media

# TD-4T Range

## in detail

|               |           |             |             |              |              |
|---------------|-----------|-------------|-------------|--------------|--------------|
| TD-4420TN     | TD-4520TN | TD-4650TNWB | TD-4750TNWB | TD-4650TNWBR | TD-4750TNWBR |
| <b>4 Inch</b> |           |             |             |              |              |

### General

|               |   |  |
|---------------|---|--|
| Control panel | 1 button 1 LED with 3 colours   | 1 LED with 3 colors, 6 buttons for Navigation, MENU and FEED/PAUSE/SELECT                  |
| LCD type      | —   | Colour   |
| Adapter       | AC adaptor Input: AC 100-240V, 2.0A, 50-60Hz<br>Output: DC24V, 2.5A, 60W, LPS | AC adaptor Input: AC 100-240V, 2.0A, 50-60Hz<br>Output: DC 24V, 3.75A, 90W CEC6 compliance |

### Software

|                          |  |
|--------------------------|--|
| Operating system support | Windows 7, 8, 8.1, 10, 11<br>Windows Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019<br>Linux<br>Mac OS v10.6-11 |
|--------------------------|--|

### Supported printer commands

|                            |   |
|----------------------------|---|
| Supported printer commands | FBPL-EZD<br>(EPL2, ZPL2, DPL) emulation |
|----------------------------|---|

### Barcode symbologies

|                     |  |
|---------------------|--|
| Barcode symbologies | Linear: Code128UCC, Code128 subsets A, B, C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Code39, Code39 with check digit, Code93, EAN13, EAN8, UPCA, UPCE, EAN and UPC 2 (5) digits add-on, Codabar, Postnet, MSI, MSI with check digit, PLESSEY, China post, ITF14, Code11, TELEPEN, TELEPENN, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS<br>2-dimensional: GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417 |
|---------------------|--|

### Internal fonts

|                |   |
|----------------|---|
| Internal fonts | 8 alpha-numeric<br>bitmap fonts for FBPL<br>Monotype Image®<br>true type font engine<br>with one CG Triumvirate<br>Bold Condensed scalable font |
|----------------|---|

### Memory

|       |       |       |
|-------|-------|-------|
| RAM   | 64MB  | 128MB |
| Flash | 128MB |       |

### Environmental

|                       |                            |
|-----------------------|----------------------------|
| Operating temperature | Operate: 5°C to 40°C       |
| Operating humidity    | 25 - 85% non-condensing    |
| Storage temperature   | -40°C to 60°C              |
| Storage humidity      | 10 - 90% (No condensation) |

### Weights & Dimensions

|                 |                          |                          |
|-----------------|--------------------------|--------------------------|
| Dimensions (mm) | 204(w) x 178(d) x 280(h) | 219(w) x 284(d) x 191(h) |
| Weights         | 2.5kg                    | 3.0kg                    |

### Included Items

|                 |  |  |
|-----------------|--|--|
| Supplied in box | AC adaptor & cord, USB cable, documentation, Pair of 1" Ribbon spindles for 300M ribbon 1" ribbon paper core | Printer AC code & AC adaptor A pair of 1" Ribbon spindles for 300M ribbon 1" ribbon paper core USB Cable (1.5m) Quick Start Guide Product Safety Guide (including warranty card) |
|-----------------|--|--|

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at your side

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