

Professional desktop label printers

TD Series

www.brother.eu





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 4 inches in width, and with direct thermal and thermal transfer print technology, they fit the requirements of a large range of vertical market applications.



TD Series



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 2, EPL 2 & DPL emulation, the TD printers allow you to integrate into existing legacy systems.



Up to 2 inch - Direct Thermal



TD-2310D203

TD-2320D203
TD-2320D300

TD-2350D203
TD-2350D300

TD-2320DSA203
TD-2320DSA300

TD-2350DSA203

TD-2350DSAH300

Up to 4 inch - Direct Thermal



TD-4210D
TD-4410D

TD-4420DN
TD-4520DN

TD-4550DNWB

TD-4420DNFC

TD-4550DNWBFC

Up to 4 inch - Thermal Transfer / Direct Thermal



TD-4420TN
TD-4520TN

TD-4650TNWB
TD-4750TNWB

TD-4650TNWBR
TD-4750TNWBR



Professional label printing

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 300dpi 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.

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 labels.



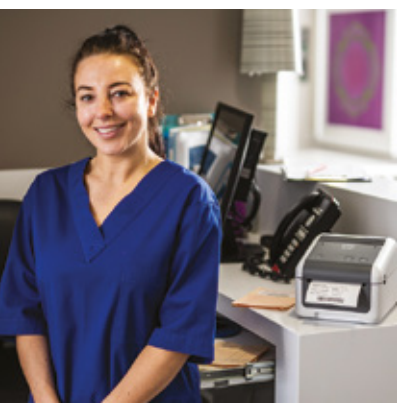
Healthcare, medical and laboratory

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 and pathology labels
- Blood bag labels
- Laboratory labels
- Microbiology labels
- Dosage/drug bag labels
- Wristbands





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





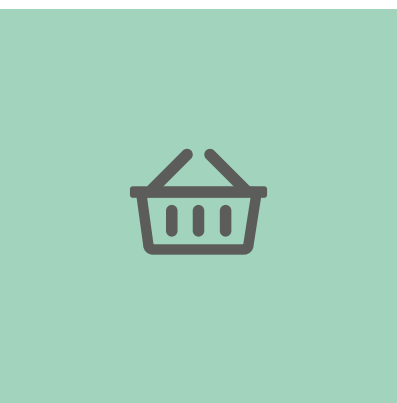
Retail

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 ingredients labels
- Nutrition information labels
- Shelf-edge labels
- Sale/mark-down/discount pricing labels



TD-2D range

brief summary

TD-2310D203

TD-2320D203

TD-2320D300

TD-2350D203

TD-2350D300

2 Inch

Printing

Print technology	Direct thermal				
Print resolution	203dpi	203dpi	300dpi	203dpi	300dpi
Print speed	152.4mm/sec (6ips)				
Max print width	59mm				
Min print length	6.4mm				
Max print length	1000mm				
Media sensor type	Gap (Transmissive), Black mark (Reflective)				
Media sensor location	Gap (fixed), Reflective (adjustable)				
Release mode	Continuous, tear off	Continuous, tear off / Optional: peel, cut			

Connectivity

USB	USB Ver.2.0 (Full Speed) (Type C)				
USB Host Port	—	Yes			
Serial	Original serial cable (option: PA-SCA-002)				
Bluetooth	—	—	—	Yes. Bluetooth Ver 5.2 (BR/EDR: Class1, BLE: Class1.5) / MFi	
Wireless LAN	—	—	—	IEEE802.11 a/b/g/n (Infrastructure Mode) IEEE802.11 g/n (Wireless Direct mode)	
Wired LAN	—	10/100BASE-TX			

General

Dimensions (mm)	119 (w) x 224 (d) x 158 (h)				
Weight	1.46kg	1.50kg	1.50kg	1.53kg	1.53kg
Control panel	3 button / 3 LED			7 button / 3 LED / Monochrome LCD	
Operating system support	Microsoft Windows 10,11 Microsoft Windows Server 2016,2019,2022 Linux				
Supported commands	Raster ESC/P P-touch Template / ZPL 2 emulation CPCL emulation / EPL 2 emulation / DPL emulation				
Mobile OS	Android 9 or later			Android 9 or later, iOS 15 or later	

TD-2D range

brief summary

TD-2320DSA203

TD-2320DSA300

TD-2350DSA203

TD-2350DSAH300

2 Inch

Printing

Print technology	Direct thermal			
Print resolution	203dpi	300dpi	203dpi	300dpi
Print speed	152.4mm/sec (6ips)			
Max print width	59mm			
Min print length	6.4mm			
Max print length	1000mm			
Media sensor type	Gap (Transmissive), Black mark (Reflective)			
Media sensor location	Gap (fixed), Reflective (adjustable)			
Release mode	Continuous, tear off / Optional: peel, cut			

Connectivity

USB	USB Ver.2.0 (Full Speed) (Type C)			
USB Host Port	Yes			
Serial	Original serial cable (option: PA-SCA-002)			
Bluetooth	—	—	Yes. Bluetooth Ver 5.2 (BR/EDR: Class1, BLE: Class1.5) / MFi	
Wireless LAN	—	—	IEEE802.11 a/b/g/n (Infrastructure Mode) IEEE802.11 g/n (Wireless Direct mode)	
Wired LAN	10/100BASE-TX			

General

Dimensions (mm)	119 (w) x 224 (d) x 176 (h)			153 (w) x 280 (d) x 176 (h)
Weight	1.77kg	1.77kg	1.77kg	1.94kg
Control panel	24 button / 3.5" colour touch screen			
Operating system support	Microsoft Windows 10,11 Microsoft Windows Server 2016,2019,2022 Linux			
Supported commands	Raster ESC/P P-touch Template / ZPL 2 emulation CPCL emulation / EPL 2 emulation / DPL emulation			
Mobile OS	Android 9 or later		Android 9 or later, iOS 15 or later	

TD-4D range

brief summary

TD-4210D	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB	TD-4420DNFC	TD-4550DNWBFC
4 Inch						

Printing

Print technology	Direct thermal						
Print resolution	203dpi	203dpi	203dpi	300dpi	300dpi	203dpi	300dpi
Print speed	127mm/sec (5ips)	203mm/sec (8ips)		152mm/sec (6ips)		203.2 mm/sec (8ips)	152.4 mm/sec (6ips)
Max print width	104.1mm			108.4mm		104.1mm	108.4mm
Min print length	6.4mm						
Max print length	3,000mm						
Media sensor type	Gap (transmissive), Bar (reflective)					Gap (Transmissive), Black mark (Reflective)	
Media sensor location	Gap (fixed), Reflective (adjustable)						
Release mode	Continuous, tear off / Optional: peel, cut					Standard: Cut	

Connectivity

USB	USB Ver.2.0 (Full Speed) (Type B)						
USB Host Port	—	—	—	—	Yes	—	Yes
Serial	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bluetooth	—	—	—	—	Yes	—	Yes
Wireless LAN	—	—	—	—	Yes	—	Yes
Wired LAN	—	—	Yes	Yes	Yes	Yes	Yes

General

Dimensions (mm)	180 (w) x 224 (d) x 155 (h)				180 (w) x 255 (d) x 155 (h)		
Weight	2.08kg				2.49kg		
Control panel	3 button 3 LED				7 button 3 LED	3 button 3 LED	7 button 3 LED
Operating system support	Windows 7/8/8.1/10/11, Linux		Windows 7/8/8.1/10/11, Windows Server 2008/2008R2/2012/2012R2/2016/2019/2022, Linux			Microsoft Windows10,11 Microsoft Windows Server 2016/2019/2022, Linux	
Supported commands	Raster ESC/P P-touch Template ZPL 2 emulation CPCL emulation EPL 2 emulation DPL emulation						

TD-4T range

brief summary

TD-4420TN

TD-4520TN

TD-4650TNWB

TD-4750TNWB

TD-4650TNWBR

TD-4750TNWBR

4 Inch

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, Cutter: 25.4mm Tear: 50mm		Continuous: 5mm Tear mode: Media width less than 2 inch: 25.4mm Media width greater than 2 inch: 50mm 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: Continuous, tear off	

Connectivity

USB	Yes	Yes	Yes	Yes	Yes	Yes
Serial	Yes	Yes	Yes	Yes	Yes	Yes
Wired LAN	Yes	Yes	Yes	Yes	Yes	Yes
USB Host Port	Yes	Yes	Yes	Yes	Yes	Yes
Bluetooth	—	—	Yes	Yes	Yes	Yes
Wireless LAN	—	—	Yes	Yes	Yes	Yes

Connectivity

Dimensions (mm)	204 (w) x 280 (d) x 164 (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
LCD	—	Yes Yes Yes Yes
Operating system support	Windows 7/8/8.1/10/11 Windows Server 2008/2008R2/2012/2012R2/2016 OS X 10.10.x,10.11.x macOS 10.12.x, 10.13.x, 10.14.x, 11 Linux	Windows 7 Windows 8 Windows 8.1 Windows 10 Windows 11 Windows Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019 Linux Mac OS v10.6-11
Supported commands	FBPL-EZD (EPL 2, ZPL 2, DPL) emulation	

TD-2D accessories

Power and additional options

PA-LP-008 Label peeler

TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



PA-CU-007 Cutter

TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



PA-KU-001 Keyboard unit

TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



PA-BB-004 Battery base*

TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



* Requires PA-BT-004

PA-HU2-002 Thermal print head (203dpi)

TD-2310D203
TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



PA-HU3-002 Thermal print head (300dpi)

TD-2310D203
TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



PA-PR2-002 Platen roller (203dpi)

TD-2310D203
TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



PA-PR3-002 Platen roller (300dpi)

TD-2310D203
TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



PA-BC-004 Battery charger

TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



PA-SCA-002 Serial cable

TD-2310D203
TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



PA-BT-004 Li-ion rechargeable battery*

TD-2310D203
TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



* Requires PA-BC-004

PA-AD-005(EU/UK) Standard AC adapter

TD-2310D203
TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



PA-AD-006(EU/UK) Healthcare AC adapter

TD-2310D203
TD-2320D203
TD-2320D300
TD-2350D203
TD-2350D300
TD-2320DSA203
TD-2320DSA300
TD-2350DSA203
TD-2350DSAH300



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TD-2D desktop printing supplies

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

TD-4D accessories

TD-4D Additional Options

PA-LP-002 Label peeler

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



PA-CU-001 Cutter

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



PA-HU2-001 Thermal print head (203dpi)

TD-4210D
TD-4410D
TD-4420DN



PA-HU3-001 Thermal print head (300dpi)

TD-4520DN
TD-4550DNWB



PA-PR2-001 Platen roller (203dpi)

TD-4210D
TD-4410D
TD-4420DN



PA-PR3-001 Platen roller (300dpi)

TD-4520DN
TD-4550DNWB



PA-LCU-002 Linerless cutter

TD-4420DNFC
TD-4550DNWBFC



PA-LPR2-002 Linerless platen roller (203dpi)

TD-4420DNFC



PA-LPR3-002 Linerless platen roller (300dpi)

TD-4550DNWBFC



PA-AD-006(EU/UK) Healthcare AC adapter

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



TD-4D desktop printing supplies



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 26mm	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
Linerless Labels*	BFA-272039-102	Continuous linerless roll	39mm x 82.3mm	N/A	12
	BFA-274058-080	Continuous linerless roll	58mm x 51.8mm	N/A	32
	BFA-274080-080	Continuous linerless roll	80mm x 51.8mm	N/A	32
	BFA-274106-080	Continuous linerless roll	106mm x 51.8mm	N/A	9

* Linerless Labels only compatible with TD-4420DNFC & TD-4550DNWBFC - Available soon

Desktop printing supplies

TD-4T



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Europe**



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 PC's and mobile devices, and Software Development Kits (SDK's) 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 SDK's can be provided to support Windows Mobile*, Android and iOS operating systems.

Software Support 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 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 2, EPL 2, DPL 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 (SDK's)

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:

<https://support.brother.com/g/s/es/dev/en/index.html>

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 ESC/POS and others.

Smooth Print

Smooth Print is an app for printing labels or receipts from iOS and Android™ mobile devices to Brother printers. Smooth Print works from a user's own web app or mobile app via a URL scheme. more details available from

<https://support.brother.com/g/s/es/dev/en/index.html>

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



Software

Model No	TD-2310D203	TD-2320D203	TD-2320D300	TD-2350D203	TD-2350D300	TD-2320DSA203	TD-2320DSA300	TD-2350DSA203	TD-2350DSA300	TD-4210D	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB	TD-4420DNFC	TD-4550DNWBFC	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)			✓		✓		✓		✓				✓	✓		✓		✓		✓		✓
	TD-2D					TD-4D					TD-4T											

* Font licensee permissions are required

Our printers have all the specifications you need for fit-for-purpose labelling solutions



TD-2D range in detail

TD-2310D203

TD-2320D203

TD-2320D300

TD-2350D203

TD-2350D300

2 Inch

Printing

Print technology	Direct thermal				
Print speed	152.4mm/sec (6ips)				
Resolution	203dpi	203dpi	300dpi	203dpi	300dpi
Max. print width	59mm				
Max. print length	3,000mm				
Min. print length	6.4mm				
Media sensor type	Gap (transmissive), Black mark (reflective)				
Media sensor location	Gap (fixed), Reflective (adjustable)				
Tear off release mode	Continuous, Tear off		Continuous, tear off Optional: Peel, cut		

Media

Media types	Wristbands, Continuous, Die Cut, Fan Fold, Perforated, Tag				
Media thickness	0.058mm - 0.279mm				
Media width	15mm - 63mm (Inc liner)				
Media length	6.4 mm - 3,000mm				
Diameter (max)	127mm				
Core Diameter (max)	11~38.1mm (using media support discs)				

Connectivity

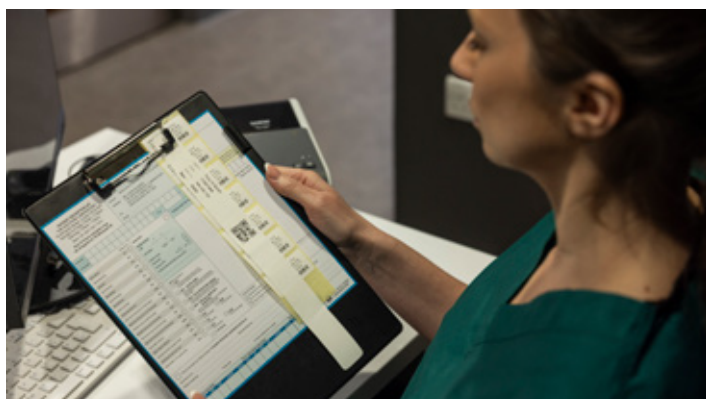
USB	USB Ver.2.0 (Full Speed) (Type C)				
Serial	Original serial cable (option: PA-SCA-002)				
USB host port	—				Yes
Bluetooth	—			Version 5.2 + BLE	
Bluetooth profile	—			SPP, OPP, HCRP, GATT, MFI	
Wired LAN	—	10/100BASE-TX			
Wireless LAN	—	—	—	IEEE802.11 a/b/g/n (Infrastructure Mode) 2.4GHz IEEE802.11 g/n (Wireless Direct mode) 2.4GHz IEEE802.11 a/n (Infrastructure Mode) 5GHz	
Wireless LAN security	—	—	—	Infrastructure Mode: <Personal mode> Open System (None/WEP) Public Key Authentication (WEP) WPA-PSK/WPA2-PSK (TKIP/AES) <Enterprise mode> EAP-FAST (TKIP/AES) PEAP (TKIP/AES) EAP-TLS (TKIP/AES) EAP-TTLS (TKIP/AES) Wireless direct Mode: WPA2-PSK (AES)	

General

Control panel	3 button 3 LED			7 button 3 LED Monochrome LCD	
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Power

Battery charging option	—	Optional: PA-BT-004 with PA-BB-004 (battery base)			
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TD-2D range in detail

TD-2310D203

TD-2320D203

TD-2320D300

TD-2350D203

TD-2350D300

2 Inch

Software

Operating system support	Microsoft Windows 10, 11 Microsoft Windows Server 2016,2019,2022 Linux				
Mobile OS	Android 9 or later			iOS 15 or later / Android 9 or later	
Supported commands	Raster ESC/P P-touch Template ZPL 2 emulation CPCL emulation EPL 2 emulation DPL emulation				

Memory

RAM	256MB				
Flash	32MB		64MB		

Environmental

Operating temperature	Printer: 5°C ~ 40°C Battery charger: 10°C ~ 35°C				
Operating humidity	20 ~ 80% (No condensation, Maximum wet bulb temperature: 27°C)				
Storage temperature	-20°C to 60°C				
Storage humidity	10% to 90% non-condensing				

Weights & Dimensions

Dimensions (mm)	119 (w) x 224 (d) x 158 (h)				
Weight	1.46kg	1.50kg	1.50kg	1.53kg	1.53kg

Included Items

Supplied in box	Printer				
	AC power cord & adaptor				
	USB (A to C) Cable, 1m				
	Documentation				
	Media disc: default: 25~25.4 (1") / 34.9mm (1.38") included: 11~12.7mm (0.5")/19mm (0.75")				



TD-2D range

in detail

continued

TD-2320DSA203

TD-2320DSA300

TD-2350DSA203

TD-2350DSA300

2 Inch

Printing

Print technology	Direct thermal			
Print speed	152.4 mm/sec (6ips)			
Resolution	203dpi	300dpi	203dpi	300dpi
Max. print width	59mm			
Max. print length	3,000mm			
Min. print length	6.4mm			
Media sensor type	Gap (transmissive), Black mark (reflective)			
Media sensor location	Gap (fixed), Reflective (adjustable)			
Tear off release mode	Continuous, tear off Optional: Peel, cut			

Media

Media types	Wristbands, Continuous, Die Cut, Fan Fold, Perforated, Tag			
Media thickness	0.058mm - 0.279mm			
Media width	15mm - 63mm (Inc liner)			
Media length	6.4 mm - 3,000mm			
Diameter (max)	127mm			
Core Diameter (max)	11~38.1mm (using media support discs)			

Connectivity

USB	USB Ver.2.0 (Full Speed) (Type C)			
Serial	Original serial cable (option: PA-SCA-002)			
USB host port	Yes			
Bluetooth	—	Version 5.2 + BLE		
Bluetooth profile	—	SPP, OPP, HCRP, GATT, MFI		
Wired LAN	10/100BASE-TX			
Wireless LAN (option)	—	IEEE802.11 a/b/g/n (Infrastructure Mode) 2.4GHz IEEE802.11 g/n (Wireless Direct mode) 2.4GHz IEEE802.11 a/n (Infrastructure Mode) 5GHz		
Wireless LAN security	—	Adhoc Mode: N/A Infrastructure Mode: <Personal mode> Open System (None/WEP) Public Key Authentication (WEP) WPA-PSK/WPA2-PSK (TKIP/AES) <Enterprise mode> EAP-FAST (TKIP/AES) PEAP (TKIP/AES) EAP-TLS (TKIP/AES) EAP-TTLS (TKIP/AES) Wireless direct Mode: WPA2-PSK (AES)		

General

Control panel	24 button 3.5" colour touch screen
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Power

Battery charging option	Optional: PA-BT-004 (battery pack) with PA-BB-004 (battery base)
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TD-2D range

in detail

continued

TD-2320DSAA203

TD-2320DSAA300

TD-2350DSAA203

TD-2350DSAAH300

2 Inch

Software

Operating system support	Microsoft Windows 10, 11 Microsoft Windows Server 2016, 2019, 2022 Linux		
Mobile OS	Android 9 or later	iOS 15 or later / Android 9 or later	
Supported commands	Raster ESC/P P-touch Template ZPL 2 emulation CPCL emulation EPL 2 emulation DPL emulation		

Memory

RAM	256MB		
Flash	64MB		

Environmental

Operating temperature	Printer: 5°C ~ 40°C Battery charger: 10°C ~ 35°C		
Operating humidity	20 ~ 80% (No condensation, Maximum wet bulb temperature: 27°C)		
Storage temperature	-20°C to 60°C		
Storage humidity	10% to 90% non-condensing		

Weights & Dimensions

Dimensions (mm)	119 (w) x 224 (d) x 176 (h)		153 (w) x 280 (d) x 176 (h)
Weight	1.77kg	1.77kg	1.77kg

Included Items

Supplied in box	Printer		
	AC power cord & adaptor		
	USB (A to C) Cable, 1m		
	Documentation		
	Media disc: default: 25~25.4 (1") / 34.9mm (1.38") included: 11~12.7mm (0.5")/19mm (0.75")		



TD-4D range in detail

TD-4210D

TD-4410D

TD-4420DN

TD-4520DN

TD-4550DNWB

TD-4420DNFC

TD-4550DNWBFC

4 Inch

Printing

Print technology	Direct thermal				
Print speed	127mm/sec (5ips)	203mm/sec (8ips)	152mm/sec (6ips)	203.2mm/sec (8ips)	152.4mm/sec (6ips)
Resolution	203dpi		300dpi	203dpi	300dpi
Max. print width	104.1mm		108.4mm	104.1mm	108.4mm
Max. print length	3,000mm				
Min. print length	6.4mm				
Media sensor type	Gap (transmissive), Black mark (reflective)				
Media sensor location	Gap (fixed), Reflective (adjustable)				
Linerless cutter (PA-LCU-001)	—			Pre installed	
Tear off release mode	Standard: Continuous, Tear off Optional: Peeler, Cutter			Standard: Cut	

Media

Media types	Wristbands, Continuous, Die cut, Fan fold, Perforated, Tag	Linerless (continuous)
Media thickness	0.058mm - 0.279mm	0.086mm - 0.095mm
Media width	19mm - 118.11mm	39mm - 106mm
Media length	6.4mm - 3,000mm	20mm - 3000mm
Diameter (max)	127mm	102mm
Core Diameter (min)	12.7mm	25.4mm

Connectivity

USB	USB version 2.0 (full speed) Type B				
Serial	Serial RS232C (DB9 male)				
USB host port	—	—	Yes	—	Yes
Bluetooth	—	—	Yes	—	Yes
Bluetooth profile	—	—	SPP, OPP, HCRP Bluetooth Classic, GATT (Bluetooth Low Energy)	—	SPP, OPP, HCRP (Bluetooth Classic), GATT (Bluetooth Low Energy)
Wired LAN	—	10/100BASE-TX			
Wireless LAN	—	—	IEEE802.11 a/b/g/n (Infrastructure Mode) IEEE802.11 g/n (Wireless Direct mode)	—	IEEE802.11 a/b/g/n (Infrastructure Mode) IEEE802.11 g/n (Wireless Direct mode)
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)	—	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	—	—	Yes	—	Yes
AirPrint	—	—	Yes	—	Yes

General

Control panel	3 button 3 LED	7 button 3 LED	3 button 3 LED	7 button 3 LED
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Power

Adapter	AC adapter (100 - 240V 50/60Hz)
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TD-4D range in detail

continued

TD-4210D

TD-4410D

TD-4420DN

TD-4520DN

TD-4550DNWB

TD-4420DNFC

TD-4550DNWBFC

4 Inch

Software

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	Microsoft Windows 10, 11 Microsoft Windows Server 2016,2019,2022 Linux
Supported commands	Raster ESC/P P-touch Template ZPL 2 emulation CPCL emulation EPL 2 emulation DPL 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> BMP: 9 LetterGothicBold: 3 (15,21,28dot) Helsinki: 3 (15,21,28dot) Gothic: 3 (16,24,32dot) <ESC/P> Outline: 4 LetterGothicRegular Helsinki, Brussels, Gothic 1 dots - 400 dots <ZPL> BMP: 10 LetterGothicBold: 5(9,11,18,26,60dot) Symbol: 1 (24dot) OCR-A: 2 (21,34dot) OCR-B: 2 (28,42dot) Outline: 1 UtahCondensedBold 1 dots - 400 dots <P-touch Template> BMP: 20 LetterGothicBold: 4 (16,24,32,48dot) Helsinki: 4 (16,24,32,48dot) Brussels: 3 (24,32,48dot) Brougham: 3 (24,32,48dot) San Diego: 3 (24,32,48dot) Gothic: 3 (16,24,32dot) Outline: 4 LetterGothicRegular Helsinki, Brussels, Gothic		

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% to 90% non-condensing

Weights & Dimensions

Dimensions (mm)	180 (w) x 224 (d) x 155 (h)	180 (w) x 255 (d) x 155 (h)
Weights	2.08kg	2.49kg

Included Items

Supplied in box	Printer	Printer with cutter pre-installed
	AC power cord & adaptor	
	USB (A to B) Cable, 1m	
	Documentation	
		Label support

TD-4T range in detail

TD-4420TN

TD-4520TN

TD-4650TNWB

TD-4750TNWB

TD-4650TNWBR

TD-4750TNWBR

4 Inch

Printing

Print technology	Thermal Transfer/Direct Thermal					
Print speed	152mm/sec (6ips)	127mm/sec (5ips)	203.2mm/sec (8ips)	152.4mm/sec (6ips)	203.2mm/sec (8ips)	152.4mm/sec (6ips)
Resolution	203dpi	300dpi	203dpi	300dpi	203dpi	300dpi
Max. print width	108mm	105.7mm	108mm	105.7mm	108mm	105.7mm
Min. print length	Peeler: 25.4 mm, Cutter: 25.4mm Tear: 50mm		Continuous: 5mm Tear mode: Media width less than 2 inch: 25.4 mm Media width greater than 2 inch: 50 mm 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: Continuous, tear off Optional: Peeler, Cutter		Standard: Continuous, tear off 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 - 0.19mm		
Media width	20 - 112mm		
Media length	5mm - Max. print length		
Diameter (max)	127mm		
Core Diameter (min)	25.4mm & 38.1mm (1.0 inch & 1.5 inch)	25.4mm & 38.1mm	

Ribbon

Types	Wax, Wax/Resin, Resin
Wound type	Outside wound
Ribbon width	40 - 110mm
Suggested paper core width	0.5 inch paper core: fixed width 110mm, width 2 notches in each side 1 inch paper core: fixed width 110mm with 2 notches in each side 1 inch 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: Max. OD 40mm, 110m length 1 inch paper core: Max. OD 67mm, 300m length

Connectivity

USB	USB version 2.0 (full speed) Type B	USB Version 2.0 (High Speed)
USB host capability	Yes Yes	Yes Yes Yes Yes
Serial	Serial RS232C (DB9 female)	Serial RS232C (DB9 female)
Wired LAN	10/100BASE-TX	
USB host port	Yes Yes	Yes Yes Yes Yes
Bluetooth	Version 5.0	
Bluetooth profile	SPP, Bluetooth Classic, 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)	
MFI support	—	
AirPrint	—	
Wired LAN	Yes Yes	Yes Yes Yes Yes

* Not suitable for RFID media

TD-4T range

in detail

continued

TD-4420TN

TD-4520TN

TD-4650TNWB

TD-4750TNWB

TD-4650TNWBR

TD-4750TNWBR

4 Inch

General

Control panel	1 button 1 LED with 3 colours	1 LED with 3 colours, 6 buttons for Navigation, MENU and FEED/PAUSE/SELECT
LCD type	—	Colour

Power

Adapter	AC adaptor Input: AC 100-240V, 2.0A, 50-60Hz Output: DC24V, 2.5A, 60W, LPS	AC adaptor Input: AC 100-240V, 2.0A, 50-60Hz Output: DC 24V, 3.75A, 90W CEC6 compliance
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Software

Operating system support	Windows 7, 8, 8.1, 10, 11 Windows Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019 Linux Mac OS v10.6-11
Supported printer commands	FBPL-EZD (EPL 2, ZPL 2, DPL) emulation
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 2-dimensional: GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417
Internal fonts	8 alpha-numeric bitmap fonts for FBPL Monotype Image® true type font engine with one CG Triumvirate 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 280 (d) x 164 (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 cord & 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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1000	1001	1002
1003	1004	

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LABEL PRINTER
TD-20

Control panel with a numeric keypad (0-9), a green 'OK' button, and various function keys including 'Menu', 'Back', and 'Print'.



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