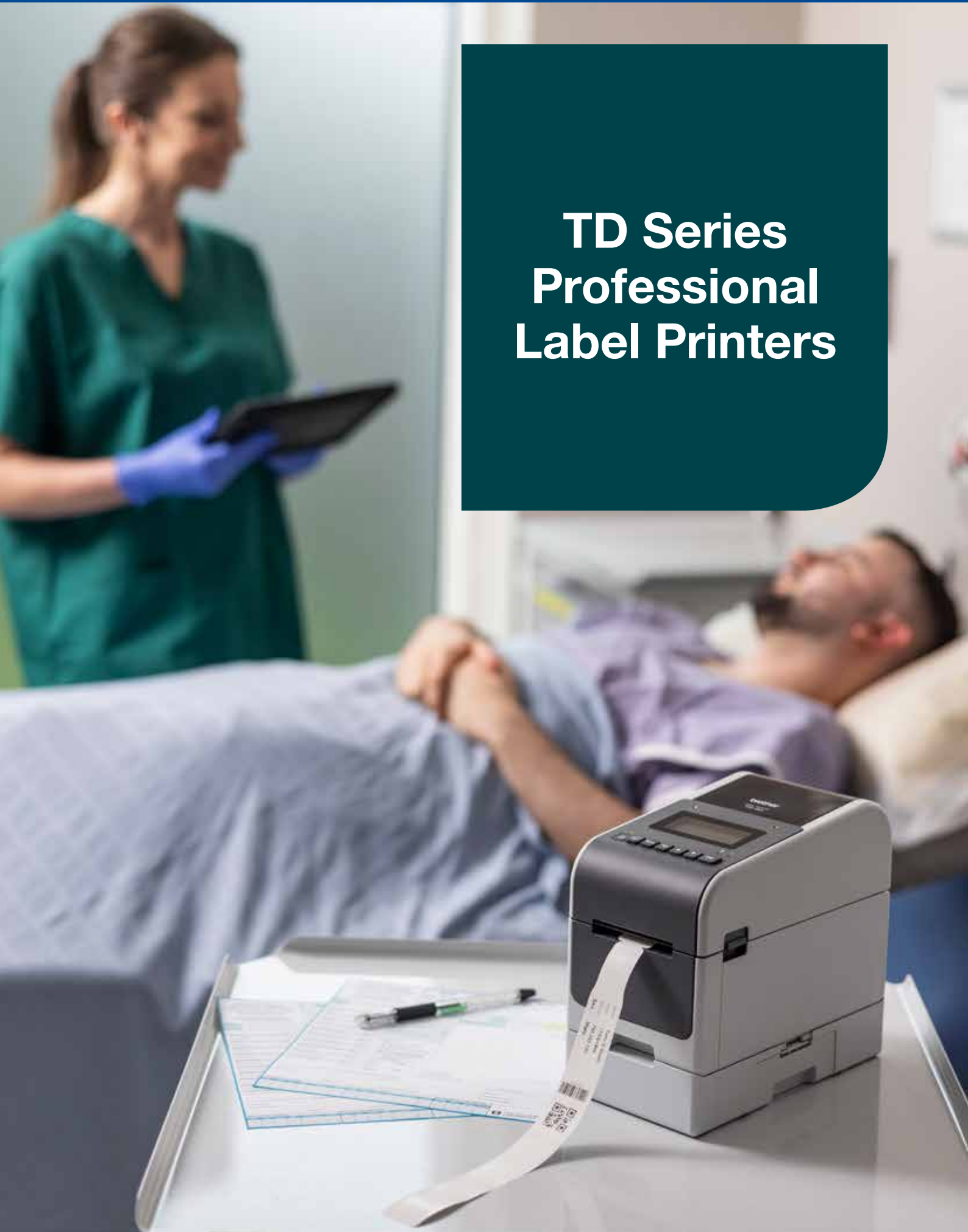**brother**
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TD Series Professional Label Printers

Brother's TD series professional label printers provide the flexibility to print high-quality labels on demand.

Print up to 4 inches in width, and with direct thermal printing technology, TD series professional label printers can meet the requirements of a variety of corporate industrial vertical market applications.

TD Series

Seamless Integration

Designed for improved operational efficiency, the high-specification TD series label printers offer a user-friendly experience. These label printers deliver exceptional quality, combining high-speed printing with continuous operation.

With modular design and seamless integration, TD series label printers can function virtually anywhere. Furthermore, compatibility with various printer command languages, such as ZPL II, EPL2, and DPL emulation, ensures smooth integration with existing legacy systems.

TD-2310D(203) TD-2320D(300) TD-2350D(300) TD-2320DSA(300)

Up to 2 inch width - Direct Thermal

TD-2310D(203)

TD-2320D(300)

TD-2350D(300)

TD-2320DSA(300)

Up to 4 inch width - Direct Thermal

TD-4410D

TD-4420DN

TD-4520DN

TD-4550DNWB

Models availability differ by country. Please contact your local Brother Sales office for the models available.

**Professional
Label Printing**

Labels are often required to display important information. TD series label printers can efficiently compile the necessary information and deliver consistent high-quality printouts.

TD series label printers can deliver high print speeds and resolutions up to 300 dpi. Offering versatility, optional accessories such as label peelers or automatic cutters can enable on-demand printing of continuous media in desired lengths.

Brother's P-touch Editor software can create professional labels with its barcode printing, embellished font programming for emphasis, and graphic and data import capabilities for a truly personalised touch.

Direct Thermal Printing Technology

Direct thermal printing is a cost-effective process that is ideal for short-term labelling needs. It utilises a heat-sensitive coating and a thermal print head while eliminating the need for traditional ribbons and ink.

Healthcare, Medical and Laboratory

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

TD series label printers can implement patient identification, which helps to improve efficiency and reduce human error.

Applications include:

- Appointment cards
- Admission labels
- Specimen and Pathology labels
- Blood bag labels
- Laboratory labels
- Microbiology labels
- Dosage and Drug bag labels
- Wristbands

Warehousing and Logistics

Efficient warehousing operations and worker productivity are crucial to the success of many organisations.

TD series label printers can address this need by printing common and custom label sizes.

This versatility allows for numerous applications within the warehouse, streamlining processes and enhancing worker efficiency.

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 make informed decisions before a purchase.

TD series high-resolution label printers can produce high-quality and professional-looking labels.

These labels feature sharp text, logos, and high-contrast barcodes, enabling faultless scanning at checkout.

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 series
Brief Specification

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)	TD-2350D(300)
		2 inch		

Printing

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)	TD-2350D(300)
Print technology	Direct thermal			
Print resolution	203dpi	300dpi		
Print speed	152.4mm/sec, (6ips)			
Maximum print width	59mm			
Minimum print length	6.4mm			
Maximum 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

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)	TD-2350D(300)
USB	USB version 2.0 (Full Speed) (Type-C)			
USB Host Port	—	Yes		
Serial	Original serial cable (option: PA-SCA-002)			
Bluetooth® wireless connection	—	—	—	Yes, Bluetooth® Dual-Mode, MFi®
Wireless LAN	—	—	—	IEEE 802.11 b/g/n (Infrastructure mode) IEEE 802.11 g/n (Wireless Direct mode)
Wired LAN	—	10/100BASE-TX		

General

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)	TD-2350D(300)
Dimensions (mm)	119mm (W) x 224mm (D) x 158mm (H)		119mm (W) x 224mm (D) x 176mm (H)	119mm (W) x 224mm (D) x 158mm (H)
Weight	1.46kg	1.50kg	1.77kg	1.53kg
Control panel	3 buttons, 3 LED		24 buttons, 3.5" colour touch screen	7 buttons, 3 LED, Monochrome LCD
Operating systems support	Microsoft® Windows®, Microsoft® Windows® Server®, Linux			
Supported commands	Raster ESC/P P-touch Template, ZPL II emulation CPCL emulation, EPL2 emulation, DPL emulation			
Mobile Operating systems	Android™			Android™, iOS©

TD-4D series
Brief Specification

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

Printing

Print technology	Direct thermal			
Print resolution	203dpi		300dpi	
Print speed	203mm/sec, (8ips)		152mm/sec, (6ips)	
Maximum print width	104.1mm		108.4mm	
Minimum print length	6.4mm			
Maximum print length	3,000mm			
Media sensor type	Gap (transmissive), Bar (reflective)			
Media sensor location	Gap (fixed), Reflective (adjustable)			
Release mode	Continuous, Tear off, Optional: Peel, Cut			

Connectivity

USB	USB version 2.0 (Full Speed) (Type B)			
USB Host Port	—	—	—	Yes
Serial	Yes	Yes	Yes	Yes
Bluetooth® wireless connection	—	—	—	Yes
Wireless LAN	—	—	—	Yes
Wired LAN	—	Yes	Yes	Yes

General

Dimensions (mm)	180mm (W) x 224mm (D) x 155mm (H)			
Weight	2.08kg			
Control panel	3 buttons, 3 LED			7 buttons, 3 LED
Operating systems support	Microsoft® Windows®, Linux	Microsoft® Windows®, Microsoft® Windows® Server®, Linux		
Supported commands	Raster ESC/P P-touch Template ZPL II emulation CPCL emulation EPL2 emulation DPL emulation			

TD-2D accessories

PA-LP-008
Label Peeler

TD-2320D(300)
TD-2350D(300)
TD-2320DSA(300)

PA-CU-007
Cutter

TD-2320D(300)
TD-2350D(300)
TD-2320DSA(300)

PA-BT-004
Rechargeable Li-ion battery*

TD-2320D(300)
TD-2350D(300)
TD-2320DSA(300)

* Requires PA-BC-004

PA-BB-004
Battery base*

TD-2320D(300)
TD-2350D(300)
TD-2320DSA(300)

* Requires PA-BT-004

PA-BC-004
Battery charger

TD-2320D(300)
TD-2350D(300)
TD-2320DSA(300)

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

TD-2310D(203)

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

TD-2320D(300)
TD-2350D(300)
TD-2320DSA(300)

PA-PR2-002
Platen roller (203dpi)

TD-2310D(203)

PA-PR3-002
Platen roller (300dpi)

TD-2320D(300)
TD-2350D(300)
TD-2320DSA(300)

PA-SCA-002
Serial cable

TD-2310D(203)
TD-2320D(300)
TD-2350D(300)
TD-2320DSA(300)

PA-AD-005 (EU)
Standard AC adapter

TD-2310D(203)
TD-2320D(300)
TD-2350D(300)
TD-2320DSA(300)

PA-AD-005 (UK)
Standard AC adapter

TD-2310D(203)
TD-2320D(300)
TD-2350D(300)
TD-2320DSA(300)

TD-4D accessories

PA-LP-002
Label Peeler

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

PA-CU-001
Cutter

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

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

TD-4410D
TD-4420DN

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

TD-4520DN
TD-4550DNWB

PA-PR2-001
Platen roller (203dpi)

TD-4410D
TD-4420DN

PA-PR3-001
Platen roller (300dpi)

TD-4520DN
TD-4550DNWB

Software Support Features

Brother offers a comprehensive solution to meet label printing requirements. label design apps for desktops and mobile devices allow for easy customisation.

Additionally, a Software Development Kit (SDK) can empower the seamless integration of TD series label printers with existing applications.

Brother can provide all the necessary tools for software developers with printer drivers available for Windows®, with SDK support extending to mobile platforms like Android™, iOS®, and Windows® Mobile.

P-touch Editor

P-touch Editor software is complimentry and can be downloaded from Brother Solution Center to create custom labels with pixel-perfect precision.

This versatile software boasts over 15 barcode protocols, advanced image dithering for high-quality grayscale images, and has the ability to link with Excel® spreadsheets for efficient batch label printing. With these features, any label designs are possible.

Mobile Deploy

A cloud-based app for mobile devices (iOS® and Android™) allows IT administrators to configure and update multiple label printers remotely.

With Mobile Deploy, IT administrator can easily upload any new update packages to an online location, and share the URLs with their users at remote locations for updates.

Crop Function

TD series label printers eliminate the frustration of misaligned labels, a common issue when using A4 label sheets with standard printers.

Windows® driver function can streamlines label printing. It can automatically scans documents to locate barcodes, extracts and prints individual shipping or product labels directly from TD series label printer.

Software Development kit (SDK)

Brother provides complimentary Software Development Kit (SDK) for easy integration with any third-party legacy software programs.

Download from:
https://support.brother.com/g/s/es/dev/en/index.html

Template Mode

Design the required document on a Windows® computer including logos and barcodes.

Transferred and stored the template on TD series label printer's memory. Template can be recalled and any data can be replaced before printing with just a few short commands.

Legacy Print Data Conversion

This feature simplifies the integration with the legacy systems by converting the print commands into P-touch Templates.

These templates can be updated externally to a legacy system without requiring any specialist knowledge on the print languages such as ESC/POS or others.

Printer Commands

Extensive emulation capabilities, including ZPL II, EPL2, DPL, and a variety of additional printer command languages, can empower the software developers to integrate TD series label printers seamlessly into any existing legacy system.

(Refer to the specification tables for further details).

Smooth Print

Smooth Print is an app for printing labels or receipts from iOS® or Android™ mobile devices on TD series label printers.

Smooth Print can work from a user's web app or mobile app via a URL scheme.

More details are available from:
https://support.brother.com/g/s/es/dev/en/index.html

* Compatibility vary dependently on models. Refer to the table on the following page for reference.

Software
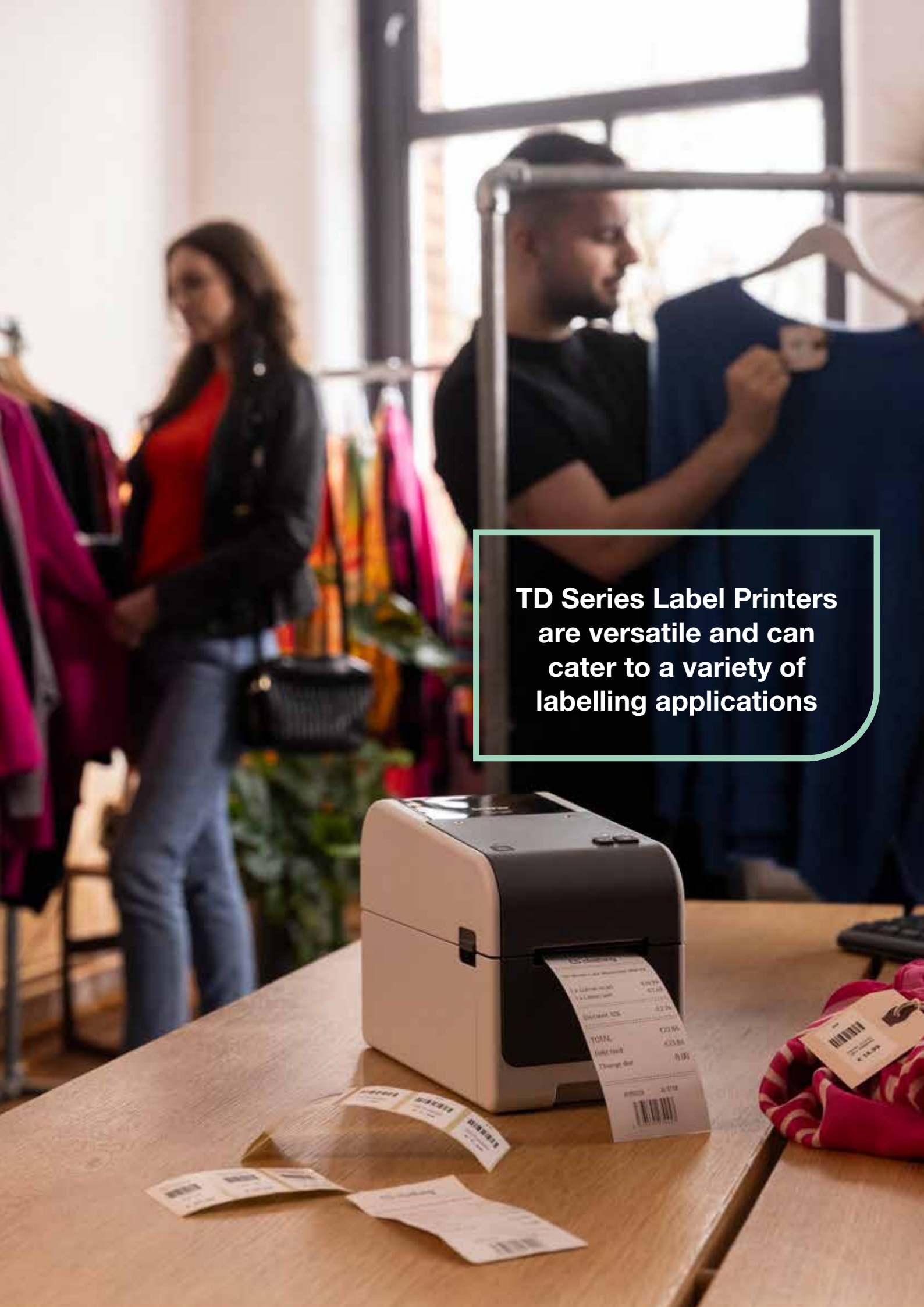
Model Number	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)	TD-2350D(300)	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
P-touch Editor	✓	✓	✓	✓	✓	✓	✓	✓
Mobile Deploy App				✓				✓
Brother Font Manager*	✓	✓	✓	✓	✓	✓	✓	✓
Printer Settings Tool	✓	✓	✓	✓	✓	✓	✓	✓
Crop Function (Windows® driver)		✓	✓	✓			✓	✓
			TD-2D				TD-4D	

* Font licensee permissions are required

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

TD Series Label Printers are versatile and can cater to a variety of labelling applications

TD-2D series
Detail Specification

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)	TD-2350D(300)
		2 inch		

Printing

Print technology	Direct thermal			
Print speed	152.4mm/sec, (6ips)			
Resolution	203dpi	300dpi		
Maximum print width	59mm			
Maximum print length	3,000mm			
Minimum 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 (including liner)			
Media length	6.4mm - 3,000mm			
Diameter (maximum)	127mm			
Core Diameter (maximum)	11mm ~ 38.1mm (using media support discs)			

Connectivity

USB	USB version.2.0 (Full Speed), (Type-C)			
Serial	Original serial cable (option: PA-SCA-002)			
USB host port	—	Yes		
Bluetooth® wireless connection		—		Bluetooth® Dual-Mode
Bluetooth® profile		—		SPP, OPP, HCRP, GATT, MFi®
Wired LAN	—	10/100BASE-TX		
Wireless LAN		—		IEEE 802.11 b/g/n (Infrastructure Mode) 2.4GHz IEEE 802.11 g/n (Wireless Direct mode) 2.4GHz IEEE 802.11 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 buttons, 3 LED		24 buttons, 3.5" colour touch screen	7 buttons, 3 LED, Monochrome LCD

Power

Battery charging option	—	Optional: PA-BT-004 (Rechargeable Li-ion battery) with PA-BB-004 (battery base)		

TD-2D series
Detail Specification

	TD-2310D(203)	TD-2320D(300)	TD-2320DSA(300)	TD-2350D(300)
	2 inch			

Software

Operating systems support	Microsoft® Windows®, Microsoft® Windows® Server®, Linux			
Mobile Operating systems	Android™		Android™, iOS®	
Supported commands	Raster ESC/P P-touch Template ZPL II emulation CPCL emulation EPL2 emulation DPL emulation			

Memory

RAM	256MB			
Flash	32MB	64MB		

Environmental

Operating temperature	Label 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 and Dimensions

Dimensions (mm)	119mm (W) x 224mm (D) x 158mm (H)		119mm (W) x 224mm (D) x 176mm (H)	119mm (W) x 224mm (D) x 158mm (H)
Weight	1.46kg	1.50kg	1.77kg	1.53kg

Bundled items

Package content	Label Printer AC Power cord and adapter USB (A to C) Cable, 1m long Documentation Media disc: Default: 25mm ~ 25.4mm (1"), 34.9mm (1.38") included: 11mm ~12.7mm (0.5"), 19mm (0.75")			

TD-4D series
Detail Specification

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

	4 inch			

Printing

Print technology	Direct thermal			
Print speed	203mm/sec, (8ips)		152mm/sec, (6ips)	
Resolution	203dpi		300dpi	
Maximum print width	104.1mm		108.4mm	
Maximum print length	3,000mm			
Minimum print length	6.4mm			
Media sensor type	Gap (transmissive), Black mark (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			
Media width	19mm - 118.11mm			
Media length	6.4mm - 3,000mm			
Diameter (maximum)	127mm			
Core Diameter (minimum)	12.7mm			

Connectivity

USB	USB version 2.0 (Full speed), Type B			
Serial	Serial RS-232C (DB9 male)			
USB host port	—			Yes
Bluetooth® wireless connection	—			Yes
Bluetooth® profile	—			SPP, OPP, HCRP Bluetooth® Classic, GATT (Bluetooth® Low Energy)
Wired LAN	—	10/100BASE-TX		
Wireless LAN	—			IEEE 802.11 a/b/g/n (Infrastructure Mode) IEEE 802.11 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)
MFi® support	—			Yes
AirPrint®	—			Yes

General

Control panel	3 buttons, 3 LED			7 buttons, 3 LED

Power

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

TD-4D series
Detail Specification

	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
		4 inch		
Software				
Operating systems support	Microsoft® Windows®, Linux	Microsoft® Windows®, Microsoft® Windows® Server®, Linux		
Supported commands		Raster ESC/P P-touch Template ZPL II emulation CPCL emulation EPL2 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 Letter Gothic Bold: 3 (15, 21, 28dots) Helsinki: 3 (15, 21, 28dots) Gothic: 3 (16, 24, 32dots) \<ESC/P\> Outline: 4 Letter Gothic Regular Helsinki, Brussels, Gothic 1 dots - 400 dots \<ZPL\> BMP: 10 Letter Gothic Bold: 5 (9, 11, 18, 26, 60dots) Symbol: 1 (24dots) OCR-A: 2 (21, 34dots) OCR-B: 2 (28, 42dots) Outline: 1 Utah Condensed Bold 1 dots - 400 dots \<P-touch Template\> BMP: 20 Letter Gothic Bold: 4 (16, 24, 32, 48dots) Helsinki: 4 (16, 24, 32, 48dots) Brussels: 3 (24, 32, 48dots) Brougham: 3 (24, 32, 48dots) San Diego: 3 (24, 32, 48dots) Gothic: 3 (16, 24, 32dots) Outline: 4 Letter Gothic Regular 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 and Dimensions				
Dimensions (mm)		180mm (W) x 224mm (D) x 155mm (H)		
Weights		2.08kg		
Bundled items				
Package content		Label Printer AC power cord and adapter USB (A to B) Cable, 1m long Documentation		

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