



## 4-inch Desktop direct thermal label printers

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

## 4" Professional direct thermal printer

Brother's range of TD professional label printers allows you to print high quality labels on demand, whatever the requirement.

Printing labels up to 4 inches in width, using direct thermal print technology, they fit the requirements of a large range of market applications.

### Key Features:

- Fast print speeds of up to 203mm/sec (8ips)
- Direct thermal printing on a range of media including Linerless<sup>3</sup>
- Auto media configuration for easy setup
- Ready to integrate with iOS & Android apps
- USB, USB Host and Serial connectivity as standard

Wide feeding slot with window for oversized media

User replaceable print head and platen roller (optional)

LCD display with Real Time Clock<sup>1</sup>

Bluetooth interface (v4.2)<sup>1</sup>

Wireless LAN supporting 2.4GHz and 5GHz bands<sup>1</sup>

Pre-installed cutter with label taken sensor (Linerless models)<sup>3</sup>



## General

<b>Carton contents</b>	AC power cord & adaptor USB cable Documentation Label support <sup>3</sup>
<b>Language support</b>	Dansk, Deutsch, English, Español, Français, Italian, Nederlands, Norsk, Português, Suomi, Svenska

## Dimensions & Weights

<b>Without carton</b>	180(w) x 224(d) x 155(h) mm   2.08Kg 180(w) x 281(d) x 155(h) mm   2.49Kg <sup>3</sup>
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## Built In Features

<b>Printing Method</b>	Direct Thermal
<b>Minimum print length</b>	Continuous: 6.4mm, Peeler: 17mm, Cutter: 20mm, Tear: 18mm (Cutter mode only for Linerless models) <sup>3</sup>
<b>Maximum print length</b>	3000mm

<b>Minimum media width</b>	19mm 39mm (Linerless models) <sup>3</sup>
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<b>Maximum media width</b>	106mm (Linerless models) <sup>3</sup> 118mm
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<b>Maximum roll diameter</b>	102mm (Linerless models) <sup>3</sup> 127mm
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<b>Minimum roll core diameter</b>	12.7mm 25.4mm (Linerless models) <sup>3</sup>
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<b>Interfaces</b>	USB Ver.2.0 (Full Speed) (Type B) USB Host <sup>1</sup> Serial RS232C (DB9 male) Bluetooth Version.4.2 /MFi / SPP, OPP, HCRP (Bluetooth Classic), GATT (Bluetooth Low Energy) <sup>1</sup> Wireless LAN 802.11a/b/g/n supporting 2.4GHz & 5GHz (supporting AirPrint® from iOS® devices) <sup>1</sup> Wired LAN 10/100BASE-TX <sup>2</sup>
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<b>Operating system support</b>	Microsoft® Windows® 10 / Windows® 11 Microsoft® Windows® Server 2016 / Server 2019 / Server 2022 (TD-4420DN, TD-4520DN, TD-4550DNWB, TD-4420DNFC, TD-4550DNWBFC)  Linux
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<b>Mobile OS Support</b>	Android 8 or later iOS® 12 or later (TD-4420DN, TD-4520DN, TD-4550DNWB, TD-4420DNFC, TD-4550DNWBFC) Requires 3 <sup>rd</sup> party app development using Brother SDK, further information available at <a href="https://support.brother.com/g/s/es/dev/en/indx.html">https://support.brother.com/g/s/es/dev/en/indx.html</a>
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<b>Software</b>	<b>P-touch Editor:</b> barcode label design software  <b>Mobile Deploy App:</b> remote printer configuration <sup>1</sup> <b>Brother Font Manager:</b> font download tool (Windows® only via USB)  <b>Printer Settings Tool:</b> device configuration software (Windows® only via USB)
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<b>Printer commands</b>	Raster, ESC/P, P-touch Template, ZPL 2, EPL 2, DPL & CPCL emulations (for additional command support contact your local Brother office)
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<b>Internal fonts &amp; sizes</b>	<b>&lt;ESC/P&gt;</b> Bitmap font: LetterGothicBold (16,24,32,48dot), Helsinki (16,24,32,48dot), Brussels (24,32,48dot), Brougham (24,32,48dot), San Diego (24,32,48dot), Gothic (16,24,32dot) Outline font: LetterGothic, Helsinki, Brussels, Gothic (1 – 400dots) <b>&lt;P-touch Template&gt;</b> Outline font: LetterGothic, Helsinki, Brussels, Gothic (1 – 400dots)  Downloadable font support* via Font Manager software
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<b>Internal Barcode</b>	<b>Linear:</b> 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/Omnidirectional/Limited/Expanded) , CODE93, POSTNET, UPC/EAN EXTENSION, MSI, Intelligent Mail Barcode  <b>2-dimensional:</b> QR Code (model 1, model 2, micro QR), Maxicode, PDF417 (Standard, Truncate, MicroPDF417) Data Matrix (ECC200 Square, ECC200 Rectangular), Aztec
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## Environmental

<b>Operating Temperature</b>	5°C to 40°C
<b>Operating Humidity</b>	20% to 85% non-condensing
<b>Storage Temperature</b>	-20°C to 60° C
<b>Storage Humidity</b>	10% to 90% non-condensing

## Supplies

<b>Receipts<sup>6</sup></b>	BDL-7J000102-058: 101.6mm x 32.2m BDL-7J000076-066: 76mm x 42m BDL-7J000058-102: 58mm x 101.6m BDL-7J000058-040: 58mm x 13.8m
	BDE-1J152102-058: 85 labels - 102mm x 152mm
<b>Labels<sup>6</sup></b>	BDE-1J000102-102: Continuous labels - 102mm x 58m
	BDE-1J050102-102: 1,050 labels - 102mm x 50mm
	BDE-1J152102-102: 350 labels - 102mm x 152mm
	BDE-1J026076-102: 1,900 labels - 76mm x 26mm
	BDE-1J044076-066: 400 Labels - 76mm x 44mm
	BDE-1J026051-102: 1,900 labels - 51mm x 26mm
BDE-1J026051-060: 500 Labels - 51mm x 26mm	

## Optional Accessories (User Option)

<b>Label Peeler</b>	PA-LP-002 <sup>6</sup>
<b>Cutter</b>	PA-CU-001 <sup>6</sup>
<b>Linerless cutter</b>	PA-LCU-002 <sup>3</sup>
<b>Thermal print head</b>	203dpi: PA-HU2-001 300dpi: PA-HU3-001
<b>Platen Roller</b>	203dpi: PA-PR2-001 <sup>6</sup> 300dpi: PA-PR3-001 <sup>6</sup>
<b>Linerless Platen Roller</b>	203dpi: PA-LPR2-002 <sup>4</sup> 300dpi: PA-LPR3-002 <sup>5</sup>

<sup>1</sup>TD-4550DNWB / TD-4550DNWBFC only

<sup>2</sup>TD-4420DN/TD-4520DN/TD-4550DNWB/ TD-4420DNFC / TD-4550DNWBFC only

<sup>3</sup>TD-4420DNFC / TD-4550DNWBFC only (Linerless models)

<sup>4</sup>TD-4420DNFC only (Linerless model)

<sup>5</sup>TD-4550DNWBFC only (Linerless model)

<sup>6</sup>Not compatible with TD-4420DNFC / TD-4550DNWBFC (Linerless models)

\*Font Licensee permissions are required

## Model Comparison

	TD-4210D	TD-4410D	TD-4420DN / TD-4420DNFC	TD-4520DN	TD-4550DNWB / TD-4550DNWBFC
<b>Maximum print width</b>	104mm	104mm	104mm	108mm	108mm
<b>Print resolution</b>	203dpi	203dpi	203dpi	300dpi	300dpi
<b>Printing speed</b>	5ips (127mm/sec)	8ips (203mm/sec)	8ips (203mm/sec)	6ips (152mm/sec)	6ips (152mm/sec)
<b>USB / USB Host</b>	Yes / No	Yes / No	Yes / No	Yes / No	Yes / Yes
<b>Serial</b>	Yes	Yes	Yes	Yes	Yes
<b>Wired LAN</b>	-	-	Yes	Yes	Yes
<b>Bluetooth</b>	-	-	-	-	Yes
<b>Wi-Fi</b>	-	-	-	-	Yes
<b>LCD (incl. Real Time Clock)</b>	-	-	-	-	Yes

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