



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 Linerless³
- 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 Clock¹

Bluetooth interface (v4.2)¹

Wireless LAN supporting 2.4GHz and 5GHz bands¹

Pre-installed cutter with label taken sensor (Linerless models)³



General

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

Dimensions & Weights

Without carton	180(w) x 224(d) x 155(h) mm 2.08Kg
	180(w) x 281(d) x 155(h) mm 2.49Kg ³

Built In Features

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

Minimum media width	19mm 39mm (Linerless models) ³
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Maximum media width	106mm (Linerless models) ³ 118mm
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Maximum roll diameter	102mm (Linerless models) ³ 127mm
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Minimum roll core diameter	12.7mm 25.4mm (Linerless models) ³
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Interfaces	USB Ver.2.0 (Full Speed) (Type B)
	USB Host ¹
Interfaces	Serial RS232C (DB9 male)
	Bluetooth Version 4.2 / MFi / SPP, OPP, HCRP (Bluetooth Classic), GATT (Bluetooth Low Energy) ¹
Interfaces	Wireless LAN 802.11a/b/g/n supporting 2.4GHz & 5GHz (supporting AirPrint® from iOS® devices) ¹
	Wired LAN 10/100BASE-TX ²

Operating system support	Microsoft® Windows® 10 / Windows® 11
	Microsoft® Windows® Server 2016 / Server 2019 / Server 2022 (TD-4420DN, TD-4520DN, TD-4550DNWB, TD-4420DNFC, TD-4550DNWBFC)
Operating system support	Linux

Mobile OS Support	Android 8 or later
	iOS® 12 or later (TD-4420DN, TD-4520DN, TD-4550DNWB, TD-4420DNFC, TD-4550DNWBFC)
Mobile OS Support	Requires 3 rd party app development using Brother SDK, further information available at https://support.brother.com/g/s/es/dev/en/idx.html

Software	P-touch Editor: barcode label design software
	Mobile Deploy App: remote printer configuration ¹
Software	Brother Font Manager: font download tool (Windows® only via USB)
	Printer Settings Tool: device configuration software (Windows® only via USB)

Printer commands	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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Internal fonts & sizes	<ESC/P> Bitmap font: LetterGothicBold (16,24,32,48dot), Helsinki (16,24,32,48dot), Brussels (24,32,48dot), Brougham (24,32,48dot), San Diego (24,32,48dot), Gothic (16,24,32dot) Outline font: LetterGothic, Helsinki, Brussels, Gothic (1 – 400dots)
	<P-touch Template> Outline font: LetterGothic, Helsinki, Brussels, Gothic (1 – 400dots)
Internal fonts & sizes	Downloadable font support* via Font Manager software

Internal Barcode	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/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

Environmental

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

Supplies

Receipts ⁶	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
	BDE-1J000102-102: Continuous labels - 102mm x 58m
Labels ⁶	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)

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

¹TD-4550DNWB / TD-4550DNWBFC only

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

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

⁴TD-4420DNFC only (Linerless model)

⁵TD-4550DNWBFC only (Linerless model)

⁶Not 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
Maximum print width	104mm	104mm	104mm	108mm	108mm
Print resolution	203dpi	203dpi	203dpi	300dpi	300dpi
Printing speed	5ips (127mm/sec)	8ips (203mm/sec)	8ips (203mm/sec)	6ips (152mm/sec)	6ips (152mm/sec)
USB / USB Host	Yes / No	Yes / No	Yes / No	Yes / No	Yes / Yes
Serial	Yes	Yes	Yes	Yes	Yes
Wired LAN	-	-	Yes	Yes	Yes
Bluetooth	-	-	-	-	Yes
Wi-Fi	-	-	-	-	Yes
LCD (incl. Real Time Clock)	-	-	-	-	Yes

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