



Desktop label, wristband & receipt printers

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

Peeler or cutter (optional)

LCD display with Real Time Clock[^]

Bluetooth interface (v4.2)[^]

Wireless LAN supporting 2.4GHz and 5GHz bands[^]



General

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

Dimensions & Weights

Without carton	180(w) x 155(d) x 224(h) 2.08Kg
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Built In Features

Printing Method	Direct Thermal
Minimum print length	Continuous: 6.4mm, Peeler: 17mm, Cutter: 20mm, Tear: 18mm
Maximum print length	3000mm
Minimum media width	19mm
Maximum media width	118mm
Maximum roll diameter	127mm
Minimum roll core diameter	12.7mm

Interfaces	USB Ver.2.0 (Full Speed) (Type B) USB Host^ Serial RS232C (DB9 male) Bluetooth Version.4.2 /MFi / SPP, OPP, HCRP (Bluetooth Classic), GATT (Bluetooth Low Energy)^ Wireless LAN 802.11a/b/g/n supporting 2.4GHz & 5GHz (supporting AirPrint® from iOS® devices)^ Wired LAN 10/100BASE-TX^^
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Operating system support	Microsoft® Windows® 7 / Windows® 8 / Windows® 8.1 / Windows® 10 Microsoft® Windows® Server 2008 / Server 2008R2 / Server 2012 / Server 2012R2 / Server 2016 / Server 2019 (TD-4420DN, TD-4520DN, TD-45550DNWB) Linux
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Mobile OS Support	Android 4.0.3 or later iOS® 8 or later (TD-4420DN, TD-4520DN, TD-45550DNWB) Requires 3 rd party app development using Brother SDK, further information available at www.brother.co.jp/eng/dev/
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Software	P-touch Editor: barcode label design software Mobile Deploy App: remote printer configuration^ Brother Font Manager: font download tool (Windows® only via USB) Printer Settings Tool: device configuration software (Windows® only via USB)
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Printer commands	Raster, ESC/P, P-touch Template, ZPL2 emulation, CPCL emulation <i>(for additional command support contact your local Brother office)</i>
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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) Downloadable font support* via Font Manager software
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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/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
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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

RD roll type	RD-M01E5 (Receipt - 102mm x 27.7m)
	RD-P08E5 (Receipt - 76mm x 35.3m)
	RD-S07E5 (Receipt - 58mm x 86m)
	RD-R03E5 (Receipt - 58mm x 12m)
	RD-M03E1 (72 Labels - 102mm x 152mm)
	RD-S01E2 (Labels - 102mm x 44.7m continuous)
	RD-S03E1 (843 Labels - 102mm x 50mm)
	RD-S02E1 (281 Labels - 102mm x 152mm)
	RD-S04E1 (1564 Labels - 76mm x 26mm)
	RD-P09E1 (335 Labels - 76mm x 44mm)
	RD-S05E1 (1564 Labels - 51mm x 26mm)
RD-Q04E1 (450 Labels - 51mm x 26mm)	

Optional Accessories (Dealer Option)

Label Peeler	PA-LP-002
Cutter	PA-CU-001
Thermal print head	203dpi: PA-HU2-001 300dpi: PA-HU3-001
Platen Roller	203dpi: PA-PR2-001 300dpi: PA-PR3-001

[^]TD-4550DNWB only

^{^^}TD-4420DN/TD-4520DN/TD-4550DNWB only

*Font Licensee permissions are required

Model Comparison

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

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