

# Professional 4 inch desktop label printers

TD4 Direct thermal  
series datasheet

[brother.co.uk/labelling/td-labeller](http://brother.co.uk/labelling/td-labeller)





# The range in detail

TD-4000	TD-4100N	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
4 inch					

## Printing

Print technology	Direct thermal				
Print speed	110mm/sec	203mm/sec	152mm/sec		
Resolution	300dpi	203dpi	300dpi		
Max. print width	98.6mm	104.1mm	108.4mm		
Min. print length	25.4mm	Continuous: 6.4mm, Peeler: 12.7mm, Cutter: 20mm, Tear: 27mm			
Max. print length	3000mm				
Media sensor type	Gap (transmissive)	Gap (transmissive), Bar (reflective)			
Media sensor location	Gap (fixed)	Gap (fixed), Reflective (adjustable)			
Tear off release mode	Manual/auto cutter	Standard: Continuous, tear off Optional: Peeler, cutter			

## Media

Media types	Receipt (non-coated and coated) Die-cut label Continuous length label	Wristbands, continuous, die-cut, fan fold, perforated, tag			
Media thickness	Without adhesive: 0.08mm - 0.155mm (0.003 inch to 0.006 inch) With adhesive: 0.08mm - 0.170mm (0.003 inch to 0.007 inch)	0.058mm - 0.279mm (0.002 inch to 0.011 inch)			
Media width	19mm - 105.6mm (0.7 inch to 4.16 inch)	19mm - 118.11mm (0.75 inch to 4.65 inch)			
Media length	6.4mm - 3,000mm (0.25 inch to 118.11 inch)				
Diameter (max.)	101.6mm (4 inch)	127mm (5 inch)			
Core diameter (max.)	25.4mm (1inch)	12.7mm (0.5 inch)			

## Connectivity

USB	USB version 2.0 (full speed) Type B					
USB host capability	No	No	No	No	No	Yes
Serial	RS232C		Serial RS232C (DB9 male)			
Wired LAN	Not supported	10/100BASE-TX	10/100BASE-TX			
USB host port	No	No	No	No	No	Yes
Bluetooth	No	No	No	No	No	Version 4.2
Bluetooth profile	n/a	n/a	n/a	n/a	n/a	SPP, OPP, HCRP Bluetooth Classic, GATT (Bluetooth Low Energy)
Wireless LAN	n/a	n/a	n/a	n/a	n/a	802.11a/b/g/n
Wireless LAN security	n/a	n/a	n/a	n/a	n/a	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	No	No	No	No	No	Yes
AirPrint	No	No	No	No	No	Yes
Wired LAN	No	Yes	No	Yes	Yes	Yes

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4 inch					

## General

Control panel	3 button 1 LED	3 button 3 LED	7 button 3 LED
LCD type	n/a	n/a	Mono

## Power

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

Operating system support	Windows XP/Vista 7/8/10, Linux	Windows XP/ Vista 7/8/10, Windows Server 2008/2008R2/ 2012/2012R2, Linux	Windows 7/8/8.1/10 Linux	Windows 7/8/8.1/10 Windows Server 2008/2008R2/2012/2012R2/2016 Linux
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Supported printer commands	P-touch Template, ESC/P	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation
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Barcode symbologies	CODE39, CODE128, UCC/EAN-128(GS1-128), ITF(I-2/5), CODABAR(NW-7), UPC-A, UPC-E, EAN13(JAN13), EAN8, GS1 DataBar(RSS) (GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked), PDF417(Standard, Truncate, Micro), QR Code(Model 1, Model 2, Micro), Data Matrix (ECC200 Square, ECC200 Rectangular), MaxiCode	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, Micro/PDF417) Data Matrix (ECC200 Square, ECC200 Rectangular) Aztec
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Internal fonts	Bitmap fonts: Helsinki, Brussels, Letter Gothic Bold, San Diego, Brougham  Outline fonts: Helsinki, Brussels, Letter Gothic	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: LetterGothicRegular, Helsinki, Brussels, Gothic (1 – 400dots) <P-touch Template> Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 – 400dots) Downloadable font support* via Font Manager software
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## Memory

RAM	8MB	16MB	256MB
Flash	8MB	8MB	64MB

## Environmental

Operating temperature	Operate: 10°C to 35°C	Operate: 5°C to 40°C
Operating humidity	20 - 80% (No condensation)	20 - 85% (No condensation, max. wet bulb temperature: 27°C)
Storage temperature	-20°C to 60°C	
Storage humidity	10 - 90% (no condensation)	

## Weights and dimensions

Dimensions (mm)	173(w) x 229(d) x 158(h)	180(w) x 155(d) x 224(h)	
Weights	1.81kg	1.83kg	2.08kg

## Included items

Supplied in box	102mm continuous black on white label roll (2 metre starter roll) 51 mm x 26 mm black on white die-cut label roll (60 labels) AC cord, USB cable CD-ROM containing software, drivers and user guide	AC adapter and cord, USB cable, documentations
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\* Font licensee permissions are required.

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Contact:

[www.brother.co.uk](http://www.brother.co.uk)

**Brother UK Ltd.**

Shepley Street, Audenshaw

Manchester, M34 5JD

Tel: +44 (0) 333 777 4444

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