

# Professional 4 inch desktop thermal printers

TD4 Series datasheet

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



# TD Range

## brief summary

TD-4410D

TD-4420DN

TD-4520DN

TD-4550DNWB

TD-4420TN

TD-4520TN

4 Inch

### Printing

Print technology	Direct thermal		Thermal transfer/ direct thermal	
	Print speed	203mm/sec	152mm/sec	152mm/sec
Resolution	203dpi	300dpi	203dpi	300dpi
Max. print width	104.1mm	108.4mm	108mm	105.7mm
Min. print length	Continuous: 6.4mm, peeler: 12.7mm, cutter: 20mm, tear: 27mm		Peeler: 25.4mm, cutter: 25.4mm tear: 50mm	
Max. print length	3000mm		25,400mm	11,430mm
Media sensor type	Gap (transmissive), bar (reflective)			
Media sensor location	Gap (fixed), reflective (adjustable)			
Tear off release mode	Standard: continuous, tear off Optional: peeler, cutter			

### Connectivity

USB	●	●	●	●	●	●
Serial	●	●	●	●	●	●
Wired LAN		●	●	●	●	●
USB host port				●	●	●
Bluetooth				●		
Wireless LAN				●		

### General

Dimensions (mm)	180(w) x 224(d) x 155(h)		204(w) x 280(d) x 177.5(h)	
Weight	2.08kg		2.5kg	
Control panel	3 button 3 LED		7 button 3 LED	1 button 1 LED with 3 colours
LCD			●	
Operating system support	Windows 7/8/8.1/10 Linux	Windows 7/8/8.1/10, Windows Server 2008/2008R2/2012/2012R2/2016 Linux	Windows 7/8/8.1/10, Windows Server 2008/2008R2/ 2012/2012R2/2016	OS X 10.10.x,10.11.x macOS 10.12.x, 10.13.x, 10.14.x Linux
Supported commands	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation			

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### Ribbon

Types	Wax, wax/resin, resin
Wound type	Outside wound
Ribbon width	40 - 110 mm (1.57 inch to 4.33 inch)
Suggested paper core width	0.5 inch paper core: fixed width 110mm, width 2 notches in each side 1inch paper core: fixed width 110mm with 2 notches in each side 1inch paper core: paper core width is the same as ribbon width and use with ribbon spindles
Inner paper core and ribbon length	0.5 inch paper core: Max. OD 40mm, 110m length 1 inch paper core: Max. OD 67mm, 300m length

### Power

Adapter	AC adapter (100 - 240V 50/60Hz)	AC adapter Input: AC 100-240V, 2.0A, 50-60Hz Output: DC24V, 2.5A, 60W, LPS
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### Software

Operating system support	Windows 7/8/8.1/10 Linux	Windows 7/8/8.1/10 Windows Server 2008/2008R2/2012/2012R2/2016 Linux	Windows 7/8.1/10, Windows Server 2008/2008R2/2012/2012R2/2016 OS X 10.10.x,10.11.x macOS 10.12.x,10.13.x,10.14.x Linux
Supported printer commands	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation		FBPL-EZD (EPL,ZPL,ZPL2,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		Linear: Code128UCC, Code128 subsets A, B, C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Code39, Code39 with check digit, Code93, EAN13, EAN8, UPCA, UPCE, EAN and UPC 2 (5) digits add-on, Coda- bar, Postnet, MSI, MSI with check digit, PLESSEY, China post, ITF14, Code11, TELEPEN, TELEPENN, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS 2-dimensional: GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417
Internal fonts	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, Brus- sels, Gothic (1 - 400dots) Downloadable font support* via Font Manager software		8 alpha-numeric bitmap fonts for FBPL Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font

### Memory

RAM	256MB	64MB
Flash	64MB	128MB

### Environmental

Operating temperature	Operate: 5°C to 40°C	Operate: 5°C to 40°C
Operating humidity	20 - 85% (No condensation, Max wet bulb temperature: 27°C)	25 - 85% non-condensing
Storage temperature	-20°C to 60°C	-40°C to 60°C
Storage humidity	10 - 90% (No condensation)	10 - 90% non-condensing

### Weights and dimensions

Dimensions (mm)	180(w) x 155(d) x 224(h)	204(w) x 178(d) x 280(h)
Weights	2.08kg	2.5kg

### Included items

Supplied in box	AC adaptor and cord, USB cable, documentations	AC adaptor and cord, USB cable, documentations. Pair of 1" Ribbon spindles for 300M ribbon 1" ribbon paper core
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