



TD-4520T Series

300dpi Thermal Transfer /
Direct Thermal Printers

TD-4520TN
TD-4520TNP
TD-4520TNC



Healthcare,
medical and
laboratory



Warehousing
and logistics



Retail

Thermal Transfer / Direct Thermal Printers

4-inch 300dpi Barcode
Label and Receipt Printers

TD-4520TN
TD-4520TNP
TD-4520TNC



Introducing the next era of four-inch desktop thermal printers from Brother. These precision built barcode label and receipt printers, deliver performance, quality, and integration at an exceptional value. From inventory and shipping to barcode and shelf labelling – now you can easily and affordably produce the labels you need, with the reliability and support that only Brother delivers.



Effortless integration

Experience improved operational efficiency with seamless integration into existing and future workflows utilising Software Development Kits (SDK's), BarTender and the support of a variety of printer command systems, including ZPLII emulation



Warranty

Delivering peace of mind with a 2 year return to base warranty on hardware and a 6 month return to base warranty of print heads. Rapid exchange is also available as an optional add-on



Reliable technology

Thermal technology is made up of less moving parts delivering greater reliability for your business

Technical Specifications for the TD-4520T Series

	TD-4520TN	TD-4520TNP	TD-4520TNC
Tear Bar	Yes	N/A	N/A
Peeler (PA-LP-001)	No (available as an option)	Yes (installed)	No
Cutter (PA-CU-001)	No (available as an option)	No	Yes (installed)
Printing			
Print Technology	Thermal Transfer / Direct Thermal		
Print Resolution	300dpi		
Print Speed	MAX up to 127.0 mm/sec (5 ips) (Under Brother standard environment) For optimal results, default print setting in-box is 76.2mm/sec (3 ips)		
Print Width (MAX)	105.7mm (4.16 inch)		
Print Length (MAX)	11,430mm (450 inch)		
Print Length (MIN)	5mm (0.19 inch)		
Media Sensor Type	Gap (Transmissive), Black mark (Reflective)		
Media Sensor Location	Reflective (adjustable), Gap (fixed)		
Release Mode	Standard: Continuous, tear off	Peeler	Cutter
Size			
Weight	Printer: 2.50kg	Printer & Peeler: 2.68kg	Printer & Cutter: 2.87kg
Dimensions	204mm (W) (8.03 inch) 177.5mm (H) (6.99 inch) 280mm (D) (11.02 inch)	204mm (W) (8.03 inch) 177.5mm (H) (6.99 inch) 322mm (D) (12.68 inch)	204mm (W) (8.03 inch) 177.5mm (H) (6.99 inch) 333mm (D) (13.11 inch)
Control Panel	1 LED with 3 colours 1 button (Feed)		
Interface			
USB	Standard: USB Ver.2.0 (Full Speed) (Type B)		
Serial	Standard: RS232C (DB9 male)		
Wired LAN	Standard: 10/100BASE-TX		
USB Host Port	Standard: USB Type-A Class ID: HID, USB mass-storage device class USB Regulation: 2.0		
Bluetooth	Not supported		
BluetoothProfile	-		
WLAN	Not supported		
WLAN Mode	-		
WLAN Security	-		
Memory			
RAM	64MB SDRAM		
Flash	128MB NAND-FLASH User area SDRAM: 2048KB Flash: 80640KB		
Power Supply			
Adapter	AC adapter Input: AC 100-240V, 2.0A, 50-60Hz Output: DC24V, 2.5A, 60W, LPS		
Media Specification			
Types	Continuous, die-cut, black mark, fan-fold, notch		
Wound Type	Outside wound		
Media Width	20 ~ 112mm (0.79 inch to 4.41 inch) catalogue described spec		
Media Length	5mm ~ Max. print length (0.20 inch to Max inch) Tear mode: 50mm ~ Max. print length Peeler mode: 25.4 ~ 152.4mm Cutter mode: 25.4mm ~ Max. print length		
Thickness	0.06 ~ 0.19mm		
Diameter (Max)	5 inch OD (around 74~75M long)		
Core Diameter (Min)	25.4mm & 38.1mm (1.0 inch & 1.5 inch)		
Ribbon Specification			
Types	Premium Wax, Resin, Semi (Wax/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 with 2 notches in each side 1 inch paper core: fixed width 110mm with 2 notches in each side 1 inch paper core: paper core width is the same as ribbon width and use with ribbon spindles		
Inner Paper Core & Ribbon Length	0.5 inch paper core: Max. OD 40mm, 110M long 1 inch paper core: Max. OD 67mm, 300M long		

Software	
Label Editing Software	BarTender Ultra Lite Edition ¹
Windows Printer Driver	Windows 10 and Server 2016 Windows 8.1 and Server 2012 R2 Windows 8 and Server 2012 Windows 7 and Server 2008 R2 Windows Server 2008
MAC Printer Driver	macOS 10.14.x macOS 10.13.x macOS 10.12.x OS X 10.11.x OS X 10.10.x
Linux Printer Driver	Ubuntu V11.04-16.04 Fedora 24 SUSE Linux Enterprise Server 12 CentOS Linux 7.2 Red Hat Enterprise 7.3
Setting Tool	BPM (Brother Printer Management Tool) Support OS Windows 7 Windows 8, 8.1 Windows 10
Mobile SDK	Not supported
Mobile Transfer Express Mobile Deploy	Not supported
Windows SDK	Windows 10 and Server 2016 Windows 8.1 and Server 2012 R2 Windows 8 and Server 2012 Windows 7 and Server 2008 R2 Windows Server 2008
Supported Command	FBPL-EZD (EPL,ZPL,ZPL2,DPL)
SAP Device Type	SAP_BASIS Release 6.20~7.11, except 7.10.
Development Support Tool	CommTool (Brother Communication Tool)
Bar Code Symbolologies	Linear: Code128UCC, Code128 subsets ABC, 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, Codabar, 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
Fonts	8 alpha-numeric bitmap fonts for FBPL Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font
Operating Characteristics	
Operating Temperature	Operate: 5 ~ 40°C
Operating Humidity	25~85% non-condensing
Storage Temperature	40 ~ 60 °C
Storage Humidity	10~90% non-condensing
Printer Safety	EMC / RMC
Warranty	
Hardware	2 Year Return to Base
Print Head	6 Month or 25kms Return to Base (whichever is first)
Options	Rapid Exchange - contact Brother at info@brother.com.au for more information
Package Contents	
Package Contents	Printer, AC Adapter, Power Cord, USB Cable, Documents
	Printer, Label Peeler, AC Adapter, Power Cord, USB Cable, Documents
	Printer, Cutter, AC Adapter, Power Cord, USB Cable, Documents

Brother International Australia

Suite 1, Level 3, Building A,
11 Talavera Road, Macquarie Park, NSW, 2113
Phone: 02 9887 4344

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