brother
at your side

TD-4650TNWB Series

203dpi Thermal Transfer /
Direct Thermal Printers

TD-4650TNWB
TD-4650TNWBP
TD-4650TNWBC

Healthcare,
medical and
laboratory

Warehousing
and logistics

Retail

www.brother.com.au

Thermal Transfer / Direct Thermal Printers

4-inch 203dpi Barcode
Label and Receipt Printers

TD-4650TNWB
TD-4650TNWBP
TD-4650TNWBC

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

Versatile connectivity options

There's a connectivity option for every solution with USB, Serial, Bluetooth, Wireless, Network and dual wireless radio band available

Technical Specifications for the TD-4650TNWB Series

	TD-4650TNWB	TD-4650TNWBP	TD-4650TNWBC
Tear Bar	Yes	N/A	N/A
Peeler (PA-LP-004)	No (available as an option)	Yes (installed)	No
Cutter (PA-CU-003)	No (available as an option)	No	Yes (installed)
Printing			
Print Technology	Thermal Transfer / Direct Thermal		
Print Resolution	203dpi		
Print Speed	MAX up to 203.2 mm/sec (8 ips) (Under Brother standard environment) For optimal results, default print setting in-box is 76.2mm/sec (3 ips)		
Print Width (MAX)	108mm (4.25 inch)		
Print Length (MAX)	25,400mm (1000 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: 3kg	Printer & Peeler: 3.18kg	Printer & Cutter: 3.37kg
Dimensions	219 mm(W) (8.62 inch) 191 mm (H) (7.52 inch) 284 mm (D) (11.18 inch)	219mm (W) (8.62 inch) 191mm (H) (7.52 inch) 328mm (D) (12.90 inch)	219mm (W) (8.62 inch) 191mm (H) (7.52 inch) 339mm (D) (13.35 inch)
Control Panel	1 LED with 3 colours | 6 buttons (Navigation, Menu, Feed, Pause, Select)		
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	Bluetooth 4.2		
BluetoothProfile	Classic, SPP (Serial Port Profile)		
Wi-Fi	(802.11a/b/g/n Wi-Fi) | *802.11n: 1x1 HT40		
WLAN Security	Authentic method (encryption scheme) *Infrastructure mode, Open system - None/WEP64/WEP128, WPA/WPA2-PSK (TKIP+AES), EAP-FAST (TKIP/AES), PEAPv0 (TKIP/AES), EAP-TLS (TKIP/AES)*, EAP-TTLS (TKIP/AES)		
Memory			
RAM	128MB SDRAM		
Flash	128MB NOR FLASH		
Power Supply			
Adapter	AC adapter | Input: AC 100-240V, 2.0A, 50-60Hz | Output: DC24V, 3.7A, 90W, CEC6 compliance		
Media Specification			
Types	Continuous, die-cut, black mark, fan-fold, notch, label with gap, punched hole		
Wound Type	Outside wound		
Media Width	20 ~ 112mm (0.79 inch to 4.41 inch) catalogue described spec Tear mode: 20 - 112mm | Peeler mode: 25.4 - 112mm | Cutter mode: 25.4mm - 112mm		
Media Length	5mm ~ Max. print length (0.20 inch to Max inch) Tear mode: <2 inch: 25.4mm - Max. print length, >2 inch: 50mm ~ Max. print length | Peeler mode: 25.4 ~ 152.4mm | Cutter mode: 25.4mm ~ Max. print length		
Thickness	0.06 ~ 0.19mm		
Diameter (Max)	Max. 127mm OD (around 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 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 core: core width is the same as ribbon width and use with ribbon spindles		
Inner Core & Ribbon Length	0.5 inch core: Max. OD 40mm, 110M long | 1 inch core: Max. OD 67mm, 300M long		

Software	
Label Editing Software	BarTender Ultra Lite Edition
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 10.15x 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 Server 2012 Server 2016 Server 2019
Mobile SDK	Not supported
Mobile Transfer Express Mobile Deploy	Not supported
Windows SDK	Server 2019 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
Android SDK	V5-V10
iOS SDK	V9-V13.2
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) Windows 7 Windows 8, 8.1 Windows 10 Server 2012 Server 2016 Server 2019
Bar Code Symbologies	Linear: Code128UCC, Code128 subsets ABC, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, standard 2 of 5, Insuatrial 2 of 5, 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, EAN14, Code11, TELEPEN, TELEPENN, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS 2-dimensional: CODABLOCK F mode, GS1DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417, TLC39
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℃
Operating Humidity	25~85% non-condensing
Storage Temperature	40 ~ 60 ℃
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, 1" ribbon spindles for 300M ribbon, USB Cable, Documents	Printer, Label Peeler, AC Adapter, Power Cord, 1" ribbon spindles for 300M ribbon, USB Cable, Documents	Printer, Cutter, AC Adapter, Power Cord, 1" ribbon spindles for 300M ribbon, USB Cable, Documents

brother
at your side

BarTender
BY SEAGULL SCIENTIFIC