

TD-4555DNWB

Direct Thermal Barcode, Label and Receipt Printer



Designed with your industry in mind, the Brother TD-4555DNWB delivers flexible, reliable label printing for healthcare, warehousing, food, retail and more. From specimen and shipping labels to nutrition labels and barcodes, it supports a wide range of applications with label printing up to 4 inches wide, 300dpi resolution and fast print speeds of up to 152.4mm/second.

Direct thermal technology helps create low-cost, high-volume labels without ribbons or ink, while USB-C, USB host, Airprint, MFi, Serial, Wired LAN, Wireless and Bluetooth wireless connectivity make integration seamless.

With professional label design software, customisable accessories and a 2-year hardware warranty, it is built for dependable performance.

General	
Engine	Direct Thermal
Buttons	7 button (Power/ Feed/ Menu/ Return/ Up/ Down/ OK)
Display	
Display Type	LED lamp (3 colour - Green, Red, Orange)
Printer	
Print Speed	Max. 152.4 mm / second or (6ips)
Printer Resolution	300 dpi
Standard Memory	256MB
Emulation	Raster, ESC/P, P-touch Template, ZPLII emulation, EPL/ DPL, CPCL emulation(CPCL page print mode / CPCL line print mode)
Recommended Print Volume	Up to 5,000 labels a day
Print Length Max	Up to 3000 mm long
Print Width Max	108.4 mm (4.26 inch)
Barcode Names	ESC/P 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 ESC/P 2-dimensional: QR Code (model 1, model 2, micro QR), Maxicode, PDF417 (Standard, Truncate, MicroPDF417), Data Matrix (ECC200 Square, ECC200 Rectangular), Aztec P-touch template 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), POSTNET, Intelligent Mail Barcode P-touch template 2-dimensional: QR Code (model 1, model 2, micro QR), Maxicode, PDF417 (Standard, Truncate, MicroPDF417), Data Matrix (ECC200 Square, ECC200 Rectangular), Aztec
Barcodes	Yes

Fonts Labeller	
	ESC/P,P-touch Template Bitmap fonts: Letter Gothic Regular Bold, Helsinki, Brussels, Brougham, San Diego, Gothic ESC/P,P-touch Template Outline fonts: Letter Gothic Regular, Helsinki, Brussels, Gothic ESC/P Font size: (Bitmap fonts: 16 dots, 24 dots, 32 dots, 48dots),(Outline fonts: 1 dots - 400 dots) ESC/P Font style: (Outline, Shadow, Outline+Shadow, Italic, Underline, Bold, Vertical) ESC/P Font widths: (x2 (Width), x2 (Height), x1/2 (Width)) P-touch Template Font size: (Outline fonts: 1 dots - 400 dots) P-touch Template Font style: (Outline, Shadow, Outline+Shadow, Italic, Bold, Vertical) Microsoft Access, Excel, CSV, TXT, SQL
Software	
Printer OS Compatibility	Windows 11, Windows 10 (32&64bit), Windows Server 2025, Windows Server 2022, Windows Server 2019, Windows Server 2016 Linux Ubuntu V11.04-16.04, Fedora 24, SUSE Linux Enterprise Server 12, CentOS Linux 7.2, Red Hat Enterprise 7.3 Mobile: iOS / Android
Software Available	Windows: P-touch Editor, BarTender, P-touch Address Book, LabelCLT, BRConfiguration Tool
Distributed Printing	Yes
Template Command Support	Yes
Template Transfer to Machine	Yes
bPAC	Yes
Software Developer Kit	Android 4.0.3 or later, iOS 8 or later
Seagull Printer Driver	Yes

Link to Database

Time and Date Feature

Roll Cutter

Roll Peeler

Tear Bar

Media Sensor Type

Media Sensor Location

Media Width Sensor

Mobile Applications	Mobile Transfer Express, Mobile Deploy, Print SDK Demo, Smooth Print
Mobile Operating System	Android 4.0.3 or later, iOS 8 or later
Mobile Deploy	iOS / Android
Mobile Transfer Express	iOS / Android
Android Print Service Plugin	Yes
Smooth Print	iOS/Android
Connectivity	
Interface	USB(Full Speed), RS-232C, 10/100 BASE-TX Wired Ethernet, 2.4GHz IEEE 802.11b/g/n, 5GHz IEEE 802.11a/n Wireless, Bluetooth
USB Interface	Full-Speed USB Ver.2.0 (Type C)
Serial	RS232C (DB9 male)
Wired Interface	10/100 BASE-TX Wired Ethernet
Wireless Interface	2.4GHz IEEE 802.11b/g/n, 5GHz IEEE 802.11a/n Wireless, IEEE 802.11g/n (Wi-Fi Direct)
Wireless Security	SSID (32 chr), None/WEP64/WEP128, WEP, WPA/WPA2-PSK/WPA3-SAE (TKIP+AES, AES), WPA3-SAE (AES), EAP-FAST(TKIP+AES, AES), PEAP(TKIP+AES, AES), EAP-TLS (TKIP+AES, AES), EAP-TTLS (TKIP+AES, AES)
Wireless Mode	2.4GHz IEEE 802.11b/g/n, 5GHz IEEE 802.11a/n (Infrastructure Mode), IEEE 802.11g/n (Wi-Fi Direct)
Wi-Fi Direct	IEEE 802.11g/n (Wireless Direct) (up to 2 connections)
Bluetooth	Bluetooth Dual-Mode, SPP, OPP, HCRP (Classic), GATT (Low Energy)
MFI	Yes
Airprint	Yes
USB Host	USB Ver.2.0 (Full Speed) (Type A)
Consumable	
Consumables	
Roll Type	RD Rolls (RD Die-cut Labels / RD Continuous Length Tape) Generic Thermal Wristbands, Continuous, Die Cut, Fan Fold, Perforated, Tag
Roll Size	Length without any mode: (6.4mm - 3,000mm) Continuous Mode: 6.4mm to ~ Peeler Mode: 17mm to ~ Cutter Mode: 20mm to ~ Tear Mode: 18mm to ~ Max Roll Dia: (127mm) Core size: (12.7 - 25.4mm) Label width: (15mm - 101.6mm)
Roll Width	19mm - 118mm (0.75 inch to 4.65 inch)
Roll Thickness	Without adhesive: 0.058 mm - 0.279 mm Receipt: 0.058 mm - 0.090 mm Label: 0.104 mm - 0.178 mm Tag: 0.133 mm - 0.190 mm Wristband: 0.107 mm - 0.279 mm

Weight and Measures	
Size	180x224x155 (WxDxH) mm
Weight	2.12kg (without roll)
Power Supply	
AC Adapter	AC adapter (100 - 240 V 50/60Hz), Output:24V/2.50A
Batteries	Coin
Battery Life	2 years
Options	
Optional Cutter	Replacement Cutter (PA-CU-001) (Dealer Install)
Optional Peeler	Replacement Peeler (PA-LP-002) (Dealer Install)
Optional Other	Platen Roller (PA-PR2-001), Print Head 300dpi (PA-HU2-001), Tablet Holder (PA-TH-001)
Environment	
Auto Power Off	AC Adapter : Off, 10min~12hours (Default: 60min)
Temperature	Operating:5°C to 40°C, Storage:-20°C to 60°C
Humidity	Operating:20 to 85%, Storage:10 to 95%
Others	
Carton Contents	Printer, Quick Start Guide, USB cable, AC adaptor, Product Safety Guide, Coin Battery, Roll Holders (25.4, 12.7, 38.1mm)
Warranty	2 Years Return To Base - See Warranty Conditions
Included Cable	USB A to C cable, 1m



Working with you for a better environment

At Brother, our green initiative is simple. We strive to take responsibility, act respectfully and try to make a positive difference to help build a society where sustainable development can be achieved. We call this approach Brother Earth.

www.brotherearth.com

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*Based on performance tests using Brother certified media, actual results may vary by application.



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