Desktop Thermal Transfer printers

4-INCH BARCODE & LABEL PRINTERS

Print performance, meet affordability

Product datasheet

TD-4420TN

TD-4520TN

TD-4650TNWB

TD-4750TNWB

Highly durable labels for long-term applications

Meet the lineup of four-inch desktop thermal transfer printers from Brother. These precision-built barcode label printers deliver the right levels of performance, quality and integration at an exceptional value.

Rely on proven thermal transfer technology to produce highly durable, archive-quality labels that are resistant to wear, fading, and environmental elements – whether you need a few or up to 500 per day.

Customers can affordably produce the labels they need, with the reliability and support only Brother delivers.

	Wi-Fi®	USB	Bluetooth®	Ethernet	Serial	DPI	Speed	Direct Thermal	Thermal Transfer	Cutter/Peeler
TD-4420TN		●		●	●	203	6ips max	●	●	Optional
TD-4520TN		●		●	●	300	5ips max	●	●	Optional
TD-4650TNWB	●	●	●	●	●	203	8ips max	●	●	Optional
TD-4750TNWB	●	●	●	●	●	300	6ips max	●	●	Optional

Key features

- **Compatibility:** Integrate with leading WMS systems, manufacturing platforms, and other software solutions.

- **Quality:** 203dpi and 300dpi models print clean, crisp barcodes, fonts, logos, and more.

- **Reliability:** Backed by an industry-leading Two-year Premier Limited Warranty, which even includes the printhead.

- **Connectivity:** Choose from a complete set of connectivity choices, including LAN, USB, host USB, Serial, Wi-Fi® and Bluetooth® wireless connectivity.

- **Affordability:** Help cut costs upfront and improve ROI with the most affordable desktop thermal transfer print solutions available.

- **Performance:** Help boost productivity with print speeds up to 6ips.

Industry applications

Brother four-inch desktop thermal transfer printers produce labels ideally suited for harsh conditions and long-term use in warehouse, manufacturing, transportation, retail, and healthcare applications.

Warehouse
- Barcodes
- Item marking
- License plates

Manufacturing
- Parts / product labels
- Asset tracking
- Storage labels

Transportation & Logistics
- Product ID labels
- Pallet labels
- Parcel and post labels

Retail
- Product labels
- Asset tracking
- Inventory labels
- Barcodes

Healthcare
- Blood bag labels
- Specimen labels
- Cold and freezer storage

Supplies

Find premium label rolls and ribbon types for all your applications. Custom options also available.

Accessories

We offer accessories to meet current and future configuration needs, such as an optional peeler, cutter, platen roller, printhead, and more.

Extended warranty service

Extend the useful life of your printer by adding an extended service program.

Get in contact

800-543-6144
mobilesales@brother.com
brothermobilesolutions.com

Software tools for easy integration and label design

BarTender.

NiceLabel
Do more. Faster. With less.

	TD-4420TN	TD-4520TN	TD-4650TNWB	TD-4750TNWB

General

	TD-4420TN	TD-4520TN	TD-4650TNWB	TD-4750TNWB
Box Contents	Printer, AC Adapter, Power Cord, USB Cable, Ribbon Take-Up 1" Core, Ribbon Spindle (2 pieces), Documents			
Dimensions (W x H x L)	8.03" (204mm) x 6.46" (164mm) x 11.02" (280mm)		8.62" (219mm) x 7.52" (191mm) x 11.2" (284mm)	
Power Specifications	External AC Adapter (Input: 100 - 240VAC 50/60Hz 1.5A, Output: 24VDC 2.5A)		External AC Adapter (Input: 100 - 240VAC 50/60Hz 2.0A, Output: 24VDC 3.75A)	
Printer Memory	128MB Flash, 64 SDRAM		128MB Flash, 128 SDRAM	
Control panel	1 Key / 1 LED		6 Keys / 1 LED (3 Color), 3.5" Color LCD	
Real Time Clock	Standard			
Audio Device	Standard			
Operating Systems	Windows Server 2016/2012R2/2012/2008R2/2008, Windows 10/8/7, Mac OS® V10.10 or Higher, Linux		Windows Server 2019/2016/2012R2/2012/2008R2/2008 Windows 10/8/7, Windows Vista, Mac OS® V10.6 or higher, Linux	
SDK Support	Windows Server 2016/2012R2/2012/2008R2/2008, Windows 10/8/7		Windows Server 2019/2016/2012R2/2012/2008R2/2008 Windows 10/8/7, Windows Vista, Android v5 or Higher, iOS v9 or Higher	
In Box Software	Seagull BarTender UltraLite Design/Print Software Application			
Printer Languages	FBPL, ZPLII®, EPL2™, DPL			
ENERGY STAR Certified	Yes			
Operating Temperature/Humidity	41°F - 104°F (5°C - 40°C) / 25% - 85%			
Storage Temperature/Humidity	-40°F - 140°F (-40°C - 60°C) / 10% - 90%			
Label Peeler	Optional (Factory Installed Options)			
Automatic Cutter	Optional (Factory Installed Options)			

Connectivity

	TD-4420TN	TD-4520TN	TD-4650TNWB	TD-4750TNWB
Standard Interfaces	Ethernet LAN (10/100Base-TX), USB 2.0, Host-USB, RS232C Serial		Wi-Fi® WLAN (5GHz 802.11a/n and 2.4GHz 802.11b/g/n Infrastructure), Ethernet LAN (10/100Base-TX)	
Optional Interfaces	None			
Security Protocols			WLAN: 802.1x (EAP-FAST, PEAPv0, EAP-TLS, EAP-TTLS, LEAP)	
Wireless Security			Infrastructure: WEP 64/128bit, WPA/WPA2-PSK (TKIP/AES)	
Bluetooth Profiles			Serial Port (SPP), GATT	

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Printing

Print technology	Thermal Transfer			
Print Head Resolution	203dpi x 203dpi (8 dots/mm)	300dpi x 300dpi (12 dots/mm)	203dpi x 203dpi (8 dots/mm)	300dpi x 300dpi (12 dots/mm)
Print Engine speed	Up to 6ips (152.4mm/sec)	Up to 5ips (127mm/sec)	Up to 8ips (203.2mm/sec)	Up to 6ips (152.4mm/sec)
Media/Print Width	4.4" (112mm) / 4.25" (108mm)	4.4" (112mm) / 4.16" (105.7mm)	4.4" (112mm) / 4.25" (108mm)	4.4" (112mm) / 4.16" (105.7mm)
Resident Barcodes	Linear: Code39, Code93, Code128, ITF, UPC-A/E, EAN8/13, GS1-128 (UCC/EAN-128), GS1 DataBar (RSS), MSI/Plessey, Industrial 2/5, Codabar (NW-7), ITF14, EAN14, Code 49, POST-NET, LOGMARS, Code11, TELEPEN, PLANET, Deutsche Post Identcode, Deutsche Post Leitcode, China Post 2 Dimensional: PDF417/MicroPDF417, Data Matrix, Maxicode, QR Code, Aztec		Linear: Code39, Code93, Code128, ITF, UPC-A/E, EAN8/13, GS1-128 (UCC/EAN-128), GS1 DataBar (RSS), MSI/Plessey, Industrial 2/5, Codabar (NW-7), ITF14, EAN14, Code 49, POST-NET, LOGMARS, Code11, TELEPEN, PLANET, Deutsche Post Identcode, Deutsche Post Leitcode, China Post 2 Dimensional: PDF417/MicroPDF417, Data Matrix, Maxicode, QR Code, Aztec	
Printer Sensors	Transmissive (Gap), Full Width Moveable Reflective (Black Mark), Option: Peeler			
Media Type	Roll or Fan-Fold / Die Cut or Continuous / Label, Receipt, Tag and Wristband			
Media Roll Size	5.00" (127mm) Outer Diameter, 1" (25.4mm) or 1.5" (38.1mm) Core Inside Diameter			
Media Loading	Drop-In Spindle-Less Design, Rear Feed (External Roll and Fanfold)			
Media Specifications	Width: 0.79" - 4.41" (20mm - 112mm), Thickness: 2.36mil – 7.48mil (0.06mm - 0.19mm), Length (203dpi): 0.2" – 1,000" (5mm – 25,400mm), Length (300dpi): 0.2" – 450" (5mm – 11,430mm), Length (Peeler/Cutter): 1" – 6" (25.4mm – 152.4mm)			
Ribbon Types	Wax, Semi (Wax/Resin), Resin			
Ribbon Length	984' (300m) / 2.64" (67mm) OD on 1" Core, 361' (110m) / 1.57" (40mm) OD on 0.5" Core			
Ribbon Width	4.33" (110mm) – 1.57" (40mm), [Widths < 4.33" (110mm) Requires Included Ribbon Spindle]			
Ribbon Take Up Core	4.33" (110mm) / 1" or 0.5" Core w/ 2 Notches, [1" Core w/o Notches Requires Included Ribbon Spindle]			
Optional Accessories	PA-RH-001 External Roll Holder			