



# Brother *Titan Industrial* Printer Series

4-INCH BARCODE & LABEL PRINTERS

**Fast, production printing  
with full roll rewinder.**

**Product datasheet**

TJ-4422TN


TJ-4522TN

## Print ultra-fast. Again. And again. And again.

Introducing the TJ-4422TN and TJ-4522TN of the Brother 4-inch *Titan Industrial Printer* series. With up to 14ips<sup>3</sup> print speeds, these printers deliver additional features to strengthen your labeling process – including a full-color touch display and a built-in full roll rewriter.

The Brother *Titan Industrial Printer* series produces consistently crisp barcode labels at top speeds. Push the boundaries of what you can accomplish with refreshingly easy integration designed to drop in and a complete set of connectivity choices. Experience it all with some of the most affordable price points and subscription<sup>1</sup> options available. Then, discover unmatched support that's "at your side" for life.<sup>2</sup>



	 Dual WIFI Bluetooth Module	 USB	 Ethernet	 Serial	 DPI	 Speed	 Direct Thermal	 Thermal Transfer	 Internal Rewinder
TJ-4422TN	Optional	●	●	●	203	14 ips max	●	●	●
TJ-4522TN	Optional	●	●	●	300	12 ips max	●	●	●

## Key features

- **Performance:** Produce quality, scannable barcodes at up to 14ips<sup>3</sup>. You can also scale up to 300dpi for visibly sharp resolutions.
- **Support:** Backed by an industry-leading Two-year Premier Limited Warranty<sup>4</sup>, printhead replacement perks program<sup>5</sup>, and responsive, lifetime<sup>2</sup> customer support.
- **Integration:** Seamlessly integrate with YOUR system using a full suite of included emulations, SDKs, and drivers, including PLC integration for competitive manufacturing applications.
- **Versatile connectivity:** All models come standard with Ethernet/LAN, USB 2.0, host USB, and RS232C Serial, plus a dual Wi-Fi® and Bluetooth® connectivity option.
- **Buy or subscribe:** Upfront affordability with some of the lowest price points in the industry or subscription<sup>1</sup> options for one low monthly fee.
- **Usability:** See printer status and make selections on the fly with a 3.5-inch, full-color HVGA touch panel display. Stay printing longer with a high-capacity 600m ribbon. And count on the internal full roll rewriter to print as many labels as you need to use when you want, without any mess.

<sup>1</sup> Shift & Print Subscription Service is subject to credit approval.

<sup>2</sup> For the life of the product.

<sup>3</sup> Based on performance tests using Brother certified media, actual results may vary in actual applications.

<sup>4</sup> Warranty includes the printhead, which is covered up to 2 years or 1 million linear inches, whichever comes first. For full details, contact your Brother Sales Representative or visit our [Warranty Page](#).

<sup>5</sup> Get replacement printheads at up to 56% off the list price while the machine is under warranty and serviced by Brother.



## Industry applications

Ideal for batch print applications such as packing/repacking and Work in Process labeling, these printers let you preprint and rewind full rolls of labels for your manufacturing or warehouse needs – all with a more compact and safer print solution.



### Manufacturing

- Packaging labels
- Serial number labels
- Parts / product labels
- Work in Process labels
- Secondary packing labels

### Transport & Logistics (Warehouse)

- Shipping labels
- Carton labels
- Repacking labels
- Order preparation “picking”
- Rack and aisle labels



### Supplies

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



### Accessories

We offer optional peeler, cutter, and dual Wi-Fi & Bluetooth interface, as well as replacement platen roller and printheads.



### Extended warranty service

Extend the useful life of your printer by adding an extended service program at any point while your printer is still under warranty.

Software tools for easy integration and label design



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## General

Box Contents	Printer, Power Cord, USB Cable, Documentation
Dimensions (W x H x L)	10.9" x 16.2" x 19.8" (276mm x 412mm x 502mm)
Weight	41.7 lbs. (18.9kg)
Power Specifications	100 - 240VAC 50/60Hz 4.0A – 2.0A
Printer Memory	256MB SDRAM, 512MB Flash, Optional 32GB MicroSD Card
Control panel	6 Keys, 3 Color Status LED, 3.5" HVGA Color Touch Control Panel, Dual Host-USB Interface Ports
Real Time Clock	Standard
Audio Device	Standard
Operating System	Windows Server 2019/2016/2012 R2/2012, Windows 10/8.1/7 (64-bit and 32-bit), Mac® OS X® 10.11.x, macOS® 10.12.x or Higher, Linux®
SDK Support	Windows Server 2019/2016/2012 R2/2012/2008 R2/2008, Windows 10/8.1/8/7, Windows Vista, Android™ v5.0 or Higher, iOS v9.0 or Higher
In Box Software	Seagull BarTender UltraLite Design/Print Software Application, Brother Printer Management Software Tool
Printer Languages	FBPL II, ZPL II®, EPL2, DPL
ENERGY STAR Certified	Energy Star 3.0
Operating Temperature/Humidity	32°F - 104°F (0°C - 40°C) / 25% - 85% non-condensing
Storage Temperature/Humidity	-40°F - 140°F (-40°C - 60°C) / 10% - 90% non-condensing

## Connectivity

Standard Interfaces	Ethernet LAN (10/100Base-TX), USB 2.0, Dual Host-USB, RS232C Serial
Optional Interfaces	Dual Wi-Fi WLAN (5GHz 802.11a/n, 2.4GHz 802.11b/g/n) & Bluetooth 5.0
Security Protocols	<u>WLAN</u> : IPv4, ARP, ICMP, UDP, TCP, RAW, DHCP Client, DHCP FQDN Option, Unicast DHCP Offer <u>LAN</u> : ARP, MAC, BOOTP, DHCP, DNS, WINS, FTP Server, HTTP Server, SMTP Client, SMTP Client, SNMP V1, Telnet, LPR/LPD, RAW 9100, IPv4, ICMP, IGMP, TCP, UDP
Wireless Security	802.11i, WEP 64/128bit, WPA-PSK/WPA2 (TKIP/AES), WPA2-Enterprise (EAP-FAST, PEAPv0, EAP-TLS, EAP-TLLS)
Bluetooth Profiles	SPP, GATT (BLE)

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## Printing

Print technology	Direct Thermal and Thermal Transfer	
Print Head Resolution	203dpi (8 dots/mm)	300dpi (12 dots/mm)
Print Engine speed	Up to 14ips (356mm/sec) <sup>1</sup>	Up to 12ips (305mm/sec) <sup>1</sup>
Media/Print Width	4.5" (114mm) / 4.1" (104mm)	
Resident Barcodes	Linear: Code 11 (USD-8), Code 39, Code 93, Code 128 with subsets A/B/C, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2- or 5-digit extensions, GS1-128 (UCC/EAN-128), MSI Plessey, POSTNET, Standard 2-of-5 (IATA), Industrial 2-of-5, Interleaved 2-of-5, ITF-14, EAN-14, LOGMARS, Codabar (NW-7), Planet, Telepen, Deutsche Post Identcode, Deutsche Post Leitcode, Datalogic 2-of-5 (China Post) <u>2D</u> : CODABLOCK F, PDF417, Code 49, GS1 DataMatrix, MaxiCode, QR Code, TLC39, MicroPDF417, GS1 DataBar (RSS), Aztec Code	
Printer Sensors	Full Width Moveable Gap (Transmissive) and Black Mark (Reflective), Ribbon Encoder and Ribbon End, Head Open	
Rewinder	Built-In Full Roll (8" OD)	
Media Type	Label and Tag: Roll or Fanfold / Die Cut or Continuous	
Media Roll Size	8.00" (203.2mm) Outer Diameter, Wound Out, 1.5" (38.1mm) or 3" (76.2mm) Core Inside Diameter	
Media Loading	Internal: 1.5" Spindle, Compatible up to 3" Core External: Rear of Bottom Feed (External Roll and Fanfold)	
Media Specifications	Width: 0.79" - 4.5" (20mm - 114mm) Thickness: 2.36mil - 11mil (0.06mm - 0.28mm) Minimum Length (Tear): 0.2" (5mm) Minimum Length (Cutter): 1.0" (25.4mm) Minimum Length (Peeler): 0.5" (12.7mm)	
Ribbon Types	Wax, Semi (Wax/Resin), Resin	
Ribbon Length	1,968' (600m) / 3.5" (90mm) Outer Diameter, Wound In/Out or 1,476' (450m) / 3.2" (81.3mm) Outer Diameter, Wound In/Out or 984' (300m) / 2.64" (67mm) Outer Diameter, Wound In/Out on 1" (25.4mm) Core Inside Diameter (No Notch)	
Ribbon Width	1.0" - 4.5" (25.4mm - 114.3mm)	
Ribbon Take Up Core	Ribbon Quick Release Take Up Spindle, No Ribbon Take Up Core Required	
Optional Accessories	Wi-Fi & Bluetooth Interface (PA-WB-001) Printhead 203dpi (LBX097001) Printhead 300dpi (LBX098001) Platen Roller (LBX101001)	

<sup>1</sup>Based on performance tests using Brother certified media, actual results may vary in actual applications

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