



# Brother *Titan Industrial* Printer Series

4-INCH BARCODE & LABEL PRINTERS

**High speed &  
increased durability.**

**Product datasheet**

TJ-4420TN











TJ-4520TN



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

Introducing the TJ-4420TN and TJ-4520TN of the Brother 4-inch *Titan Industrial Printer* series. These printers produce high-quality labels at staggering 12ips and 14ips print speeds and up to 300dpi. Keep going strong with durable construction that helps you cross labeling finish lines.

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	 Cutter/Peeler
<b>TJ-4420TN</b>	Optional	●	●	●	●	203	14 ips max	●	●	Optional
<b>TJ-4520TN</b>	Optional	●	●	●	●	300	12 ips max	●	●	Optional

## 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.
- **Versatile connectivity:** All models come standard with Ethernet/LAN, USB 2.0, host USB, and RS232C Serial, plus a dual Wi-Fi<sup>®</sup> and Bluetooth<sup>®</sup> 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 easily with a bright multicolor status light and LCD display.

<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

These industrial printers are ideally suited for longterm use in warehouses, manufacturing and across the supply chain.



### Transport & Logistics (Warehouse)

- Shipping labels
- Product ID labels
- Secondary packing labels
- Order preparation “picking”
- Pallet labels

### Manufacturing

- Packing labels
- Shipping labels
- Parts / product labels
- Secondary packing labels
- Storage labels

### Retail

- Shipping labels
- Returns labels
- Product 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.

## Get in contact

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

## Software tools for easy integration and label design



TJ-4420TN

TJ-4520TN

## General

Box Contents	Printer, Power Cord, USB Cable, Documentation
Dimensions (W x H x L)	10.9" x 12.8" x 19.8" (276mm x 326mm x 502mm)
Weight	33.8 lbs. (15.4kg)
Power Specifications	Built-In Power Supply (Input: 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" Color TFT LCD Control Panel, Dual Host-USB Interface Ports
Real Time Clock	Standard
Audio Device	Standard
Operating Systems	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%
Storage Temperature/Humidity	-40°F - 140°F (-40°C - 60°C) / 10% - 90%

## 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, SNTIP 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)

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

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TJ-4420TN

TJ-4520TN

## Printing

Print technology	Direct Thermal and Thermal Transfer	
Print Head Resolution	203dpi (8 dots/mm)	300dpi (12 dots/mm)
Print Engine speed	Up to 14 ips (356mm/sec) <sup>1</sup>	Up to 12 ips (305mm/sec) <sup>1</sup>
Media/Print Width	4.5" (114mm) / 4.1" (104mm)	
Resident Barcodes	<u>Linear</u> : 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, Peeler (Optional)	
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 or 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, Resin, Semi (Wax / 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), Automatic Cutter (PA-CU-005), Label Peeler with Liner Rewinder (PA-LP-006), Print Head 203dpi (LBX097001), Print Head 300dpi (LBX098001), Platen Roller (LBX101001)	