



# Industrial printers designed for wider label printing

TJ-6421TN / TJ-6521TN Data Sheet

## Performance you can rely on

Designed for wider label printing, the Brother TJ-6 series is capable of printing up to 6.6-inch-wide labels.

The durable label printers offer rapid print speeds, large ribbon capacity and an internal rewinder option- making them perfect for industrial printing application that requires a larger label.

### Key Features:

- Various printer command languages supported, including ZPL2 emulation
- Rapid print speeds up to 12ips (304.8 mm/sec)
- Automatic internal rewinder option (5"OD)
- High capacity 450m ribbon to minimize downtime
- In-built durability for tough production environments
- Touch panel display for a first-class user experience
- Flexible connectivity options with USB, USB Host, Serial, Ethernet and optional Wireless and Bluetooth (single module)

Thermal Transfer or Direct Thermal capabilities

WiFi and Bluetooth connectivity (user option)

Supports high ribbon capacity up to 450m in length

Colour touch panel display for ease of use

Label peeler & cutter accessories (dealer installable only)





## General

<b>Carton contents</b>	Power cord USB cable Documentation
<b>Language support</b>	English, French, German, Italian, Polish, Spanish

## Dimensions & Weights

<b>Without carton</b>	<b>TJ-6421TN   TJ-6521TN:</b> 357mm (W) x 510mm (D) x 313mm (H) 17.90kg
-----------------------	---

## Built In Features

<b>Printing Method</b>	Direct Thermal / Thermal Transfer
<b>Print Resolution</b>	<b>TJ-6421TN</b> : 203dpi <b>TJ-6521TN</b> : 300dpi
<b>Maximum print speed</b>	<b>TJ-6421TN</b> : 304.8 mm/sec <b>TJ-6521TN</b> : 254 mm/sec
<b>Maximum print width</b>	168 mm
<b>Minimum print length</b>	Continuous: 10 mm Tear mode: 50 mm Peeler mode: 25.4 mm Cutter mode: 25.4 mm
<b>Maximum print length</b>	<b>TJ-6421TN</b> : 14732 mm <b>TJ-6521TN</b> : 6604 mm
<b>Minimum media width</b>	50.8 mm
<b>Maximum media width</b>	172.7 mm
<b>Maximum roll diameter</b>	208 mm
<b>Minimum roll core diameter</b>	38.1 mm
<b>Maximum roll core diameter</b>	76.2 mm
<b>Minimum ribbon width</b>	50.8 mm
<b>Maximum ribbon width</b>	178 mm
<b>Inner paper core &amp; ribbon length</b>	1" paper core: Max. OD 81mm, 450m long
<b>Interfaces</b>	USB Ver.2.0 (Full Speed) (Type B), USB Host Serial RS232C (DB9 female) Parallel Wired LAN 10/100BASE-TX Wi-Fi 802.11 a/b/g/n & Bluetooth v4.2 (single-module option)

<b>Control Panel</b>	<b>TJ-6421TN   TJ-6521TN:</b> 4.3-inch colour touch display, 1 status indicator and 6 button navigation
<b>Printer commands</b>	FBPL-EZD (EPL2,ZPL2,DPL)
<b>Internal fonts &amp; sizes</b>	8 alpha-numeric bitmap fonts for FBPL Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font
<b>Memory</b>	RAM: 256MB Flash: 512MB (MicroSD Flash memory card reader or Flash memory expansion up to 32 GB)
<b>Internal Barcode</b>	<b>Linear:</b> Code128UCC, Code128 subsets A、B、C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, Standard 2 of 5, Industrial 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, TELEPEN number, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS, GS1 Databar, RSS-Stacked  <b>2-dimensional:</b> CODABLOCK F mode, GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF417, TLC39
<b>Operating system support</b>	Microsoft® Windows® 10 / 11 / Server 2016 / Server 2019 / Server 2022  MacOS v11.3 – v14.4  Ubuntu V11.04-16.04 / Fedora 24 / SUSE Linux Enterprise Server 12 / CentOS Linux 7.2 / Red Hat Enterprise 7.3
<b>Windows SDK</b>	Microsoft® Windows® 10 / 11 Microsoft® Windows® Server 2016 / Server 2019 / Server 2022
<b>Mobile SDK</b>	Android v8 – v13 iOS v12 – v16.4 Requires 3rd party app development using Brother SDK, further information available <a href="http://atyourside.brother.co.uk/developer-centre">atyourside.brother.co.uk/developer-centre</a>
<b>Software</b>	<b>BarTender Ultra Lite Edition:</b> Barcode label design software (download)  <b>Brother Printer Management Tool:</b> Software to centrally manage devices for updating settings, firmware and other configurations. (Microsoft® Windows® 10/ Windows® 11 only), Microsoft® Windows® Server 2016 / Server 2019 / Server 2022)

## Environmental

<b>Operating Temperature</b>	0°C to 40°C
<b>Operating Humidity</b>	25% to 85% non-condensing
<b>Storage Temperature</b>	-40°C to 60° C
<b>Storage Humidity</b>	10% to 90% non-condensing

## Supplies

<b>Roll type*</b>	<b>Uncoated label:</b> BUS-1J211148-203: 148mm x 211mm, 1,080 labels
	<b>Standard Wax:</b> BWS-1D450-154: 154mm x 450m
	<b>Premium Wax:</b> BWP-1D450-154: 154mm x 450m
	<b>Standard Wax/Resin:</b> BSS-1D450-154: 154mm x 450m
<b>Ribbon type*</b>	<b>Premium Wax/Resin:</b> BSP-1D450-154: 154mm x 450m
	<b>Standard Resin:</b> BRS-1D450-154: 154mm x 450m
	<b>Premium Resin:</b> BRP-1D450-154: 154mm x 450m

## Optional Accessories (Dealer Option)

<b>Label Peeler</b> (with liner rewinder)	PA-LP-009
<b>Cutter</b>	PA-CU-008
<b>Internal rewinder (5" OD)</b>	PA-RW-001
<b>GPIO interface</b>	PA-GP-003
<b>WiFi and Bluetooth Interface (module)</b> (User Option)	PA-WB-001

\*For additional supplies information, please contact your local Brother office

All specifications are correct at the time of printing and are subject to change without notice. Brother and the brother logo are both trademarks of Brother Industries, Ltd., registered in Japan and certain other countries.

Any trade names, logos and product names of other companies appearing are trade names or trademarks of those respective companies.

BIE Product Planning: Last updated 03/03/2025