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TJ-6 series: 6-inch durable industrial thermal label printers

TJ-6421TN / TJ-6521TN

Performance and durability you can rely on

Designed for wider label printing, the TJ-6 series prints labels up to 6.6-inch wide. Engineered for optimal productivity with fast print speeds, a large ribbon capacity, and an optional internal rewinder. With its rugged metal cover and frame, the printer delivers built-in durability, designed to minimise downtime in tough production environments that demand wider, high-quality labels.

Key features:

- Durable metal construction ensures reliable performance in tough environments
- Easy integration with industry standard printer language emulations including EPL2, ZPL2, DPL
- Rapid print speeds up to 12ips (304.8 mm/sec)
- Flexible connectivity options with USB, USB host, serial, ethernet as standard and optional wireless LAN and Bluetooth (single module)
- Range of media options available: Ensure quality label output with desired label/ribbon combination
- Industry-leading 5-year return-to-base warranty plus on-site service pack option

Thermal transfer or direct thermal capabilities

Touchscreen display for set up, print selections and diagnostics

Optional internal rewinder: Collect printed labels onto a roll inside the printer, ready for later use — saving you time and labour**

Wi-Fi and Bluetooth connectivity (user option)

High ribbon capacity up to 450m: Minimise downtime and save on time and operational costs with fewer media replacements

General

Carton contents	Power cord, USB cable, documentation
Language support	English, French, German, Italian, Polish, Spanish

Dimensions and weights

Without carton	357mm (W) x 514mm (D) x 313mm (H) 17.90kg

Built in features

Printing method	Direct thermal/thermal transfer
Print resolution	**TJ-6421TN**: 203dpi **TJ-6521TN**: 300dpi
Maximum print speed	**TJ-6421TN**: 12ips/304.8mm/sec **TJ-6521TN**: 10ips/254mm/sec
Maximum print width	168mm
Minimum print length	Continuous: 10mm Tear mode: 50mm Peeler mode: 25.4mm Cutter mode: 25.4mm
Maximum print length	**TJ-6421TN**: 14,732mm **TJ-6521TN**: 6,604mm
Minimum media width	50.8mm
Maximum media width	172.7mm
Maximum roll diameter	208mm
Minimum roll core diameter	38.1mm
Maximum roll core diameter	76.2mm
Minimum ribbon width	50.8mm
Maximum ribbon width	178mm
Inner paper core and ribbon length	1" paper core: Max. OD 81mm, 450m long
Interfaces	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 and Bluetooth v4.2 (single-module option**)

Control panel	4.3-inch colour touchscreen display, 1 status indicator and 6 button navigation
Printer commands	EPL2, ZPL2, DPL
Internal fonts and sizes	8 alpha-numeric bitmap fonts for FBPL Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font
Memory	RAM: 256MB Flash: 512MB (MicroSD Flash memory card reader or Flash memory expansion up to 32GB)
Internal barcode	**Linear:** 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 **2-dimensional:** CODABLOCK F mode, GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF417, TLC39
Operating system support	Microsoft Windows® 10 / 11 Microsoft Windows Server® 2016 / 2019 / 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
Windows SDK	Microsoft Windows® 10 / 11 Microsoft Windows Server® 2016 / 2019 / 2022
Mobile SDK	Android v8 – v13 iOS v12 – v16.4 Requires 3rd party app development using Brother SDK, further information available atyourside.brother.co.uk/developer-centre
Software	**BarTender Ultra Lite Edition:** Barcode label design software (download) **Brother Printer Management Tool:** 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

Operating temperature	0ºC to 40ºC
Operating humidity	25% to 85% non-condensing
Storage temperature	-40ºC to 60ºC
Storage humidity	10% to 90% non-condensing

Supplies

Label*	**Uncoated die-cut labels** BUS-1J211148-203: 148mm x 211mm, 1,080 labels
Ribbon*	**Standard wax:** BWS-1D450-154: 154mm x 450m **Premium wax:** BWP-1D450-154: 154mm x 450m **Standard wax/resin:** BSS-1D450-154: 154mm x 450m **Premium wax/resin:** BSP-1D450-154: 154mm x 450m **Standard resin:** BRS-1D450-154: 154mm x 450m **Premium resin:** BRP-1D450-154: 154mm x 450m

Optional accessories**

Peeler	PA-LP-009***
Cutter	PA-CU-008***
Internal rewinder (5" OD)	PA-RW-001***
GPIO interface	PA-GP-003***
Dual interface (Wi-Fi and Bluetooth)	PA-WB-001

* For additional supplies request please contact your Brother account manager.
** Accessories sold separately.
*** Dealer installable only.

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