



Industrial printers built for you, and built to last

TJ-4020TN / TJ-4120TN / TJ-4021TN / TJ-4121TN Data Sheet



Performance and durability you can rely on

The versatile TJ Series industrial label printer uses high capacity thermal transfer ink ribbons for durable labelling and ultimate productivity.

Key Features:

- Various printer command languages supported, including ZPL2 emulation
- High capacity 450m ribbon to minimize downtime
- In-built durability for tough production environments
- Fast print speeds up to 10ips (254 mm/sec)
- LED indicators and touch panel displays available for a first-class user experience
- Flexible connectivity options with USB, USB Host, Serial, Ethernet and Wireless (optional)



General

Carton contents	Power cord USB cable Documentation 1" ribbon paper core
Language support	Dansk, Deutsch, English, Español, Français, Italian, Nederlands, Norsk, Português, Suomi, Svenska

Dimensions & Weights

Without carton	TJ-4020TN TJ-4120TN: 248(w) x 436(d) x 274(h) 9.2kg
	TJ-4021TN TJ-4121TN: 248(w) x 436(d) x 274(h) 9.4kg

Built In Features

Printing Method	Direct Thermal / Thermal Transfer
Print Resolution	TJ-4020TN TJ-4021TN: 203dpi TJ-4120TN TJ-4121TN: 300dpi
Maximum print speed	TJ-4020TN TJ-4021TN: 254mm/sec TJ-4120TN TJ-4121TN: 178mm/sec
Maximum print width	TJ-4020TN TJ-4021TN: 107mm TJ-4120TN TJ-4121TN: 105.7mm
Minimum print length	Continuous: 5mm Tear mode: 50 mm Peeler mode: 25.4mm Cutter mode: 25.4mm
Maximum print length	TJ-4020TN TJ-4021TN: 25400mm TJ-4120TN TJ-4121TN: 11430mm
Minimum media width	20mm
Maximum media width	Tear/Peeler mode: 120mm Cutter mode: 114mm
Maximum roll diameter	203mm
Minimum roll core diameter	25.4mm
Maximum roll core diameter	76.2mm
Minimum ribbon width	40mm
Maximum ribbon width	110mm
Suggested paper core width	1" paper core:
Inner paper core & ribbon length	1" paper core: Max. OD 81.3 mm, 450m long
Interfaces	USB Ver.2.0 (Full Speed) (Type B), USB Host Serial RS232C (DB9 female) Wired LAN 10/100BASE-TX Wi-Fi 802.11 a/b/g/n (module option)

Control Panel	TJ-4020TN TJ-4120TN: 4 LED indicators, 1 status indicator and 2 buttons TJ-4021TN TJ-4121TN: 3.5-inch colour touch display and 6 button navigation
Printer commands	FBPL-EZD (EPL2,ZPL2,DPL)
Internal fonts & sizes	8 alpha-numeric bitmap fonts for FBPL Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font
Memory	RAM: 128MB Flash: 128MB
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 2-dimensional: CODABLOCK F mode, GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF417, TLC39
Operating system support	Microsoft® Windows® 8.1 / Windows® 10 Server 2012 / Server 2012R2 / Server 2016 / Server 2019 macOS 10.12.x, 10.13.x, 10.14.x 10.15 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® 8.1 / Windows® 10 Microsoft® Windows® Server 2012 / Server 2012R2 / Server 2016 / Server 2019
Mobile SDK	Android v5 – v10 iOS v9 – v13.2 Requires 3 rd party app development using Brother SDK, further information available at www.brother.eu/developer
Software	BarTender Ultra Lite Edition: Barcode label design software Brother Printer Management Tool: Software to centrally manage devices for updating settings, firmware and other configurations. (Microsoft® / Windows® 8.1 / Windows® 10 only), Microsoft® Windows® Server 2012 / Server 2016 / Server 2019)

Environmental

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

Supplies

Roll type*	TBC
Ribbon type*	Standard Wax: BWS-1D450-110: 110mm x 450m
	Premium Wax: BWP-1D450-110 – 110mm x 450m
	Standard Wax/Resin: BSS-1D450-110: 110mm x 450m
	Premium Wax/Resin: BSP-1D450-110: 110mm x 450m
	Standard Resin: BRS-1D450-110: 110mm x 450m
	Premium Resin: BRP-1D450-110: 110mm x 450m

Optional Accessories (Dealer Option)

Label Peeler (with liner rewinder)	PA-LP-005
Cutter	PA-CU-004
WLAN Interface (module) (User Option)	PA-WI-002

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

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Industrial printers designed for high-volume label printing

TJ-4420TN / TJ-4520TN / TJ-4422TN / TJ-4522TN Data Sheet

Performance you can rely on

Designed for high-volume label printing, the Brother TJ series is capable of printing more than a thousand labels a day.

The durable label printers offer rapid print speeds, large ribbon capacity and an internal rewinder on selected models - making them perfect for any industrial printing application.

Key Features:

- Various printer command languages supported, including ZPL2 emulation
- Rapid print speeds up to 14ips (356 mm/sec)
- Automatic internal rewinder on selected models
- High capacity 600m ribbon to minimize downtime
- In-built durability for tough production environments
- LCD and touch panel displays available for a first-class user experience
- Flexible connectivity options with USB, USB Host, Serial, Ethernet and optional Wireless and Bluetooth (single module)



General

Carton contents	Power cord USB cable Documentation
Language support	Dansk, Deutsch, English, Español, Français, Italian, Nederlands, Norsk, Português, Suomi, Svenska

Dimensions & Weights

Without carton	TJ-4420TN TJ-4520TN: 276mm (W) x 502mm (D) x 326mm (H) 15.35kg
	TJ-4422TN TJ-4522TN: 276mm (W) x 502mm (D) x 412mm (H) 18.93kg

Built In Features

Printing Method	Direct Thermal / Thermal Transfer
Print Resolution	TJ-4420TN TJ-4422TN: 203dpi TJ-4520TN TJ-4522TN: 300dpi
Maximum print speed	TJ-4420TN TJ-4422TN: 356 mm/sec TJ-4520TN TJ-4522TN: 305 mm/sec
Maximum print width	104mm
Minimum print length	Continuous: 5mm Tear mode: 50 mm** Peeler mode: 12.7mm** Cutter mode: 25.4mm**
Maximum print length	TJ-4420TN TJ-4422TN: 25400mm TJ-4520TN TJ-4522TN: 11430mm
Minimum media width	20mm
Maximum media width	114mm
Maximum roll diameter	203mm
Minimum roll core diameter	38.1mm
Maximum roll core diameter	76.2mm
Minimum ribbon width	25.4mm
Maximum ribbon width	114.3mm
Inner paper core & ribbon length	1" paper core: Max. OD 90mm, 600m long
Interfaces	USB Ver.2.0 (Full Speed) (Type B), USB Host Serial RS232C (DB9 female) Wired LAN 10/100BASE-TX Wi-Fi 802.11 a/b/g/n & Bluetooth v4.2 (single-module option)

Control Panel	TJ-4420TN TJ-4520TN: LCD display, 1 status indicator and 6 button navigation TJ-4422TN TJ-4522TN: 3.5-inch colour touch display, 1 status indicator and 6 button navigation
Printer commands	FBPL-EZD (EPL2,ZPL2,DPL)
Internal fonts & 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 32 GB)
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 2-dimensional: CODABLOCK F mode, GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF417, TLC39
Operating system support	Microsoft® Windows® 7 / 8.1 / 10 / Server 2012 / Server 2012R2 / Server 2016 / Server 2019 OS X 10.11.x macOS 10.12.x,10.13.x,10.14.x 10.15 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® 7 / 8.1 / 10 Microsoft® Windows® Server 2012 / Server 2012R2 / Server 2016 / Server 2019
Mobile SDK	Android v5 – v10 iOS v9 – v13.2 Requires 3rd party app development using Brother SDK, further information available at www.brother.co.jp/eng/dev/
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® 8.1 / Windows® 10 only), Microsoft® Windows® Server 2012 / Server 2016 / Server 2019)

Environmental

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

Supplies

Roll type*	Uncoated label: BUS-1J074102-203: 102mm x 74mm, 2,940 labels BUS-1J150102-203: 102mm x 150mm, 1,500 labels
	Coated label: BCS-1J074102-203: 102mm x 74mm, 2,900 labels BCS-1J150102-203: 102mm x 150mm, 1,440 labels
Ribbon type*	Standard Wax: BWS-1D600-110: 110mm x 600m
	Premium Wax: BWP-1D600-110: 110mm x 600m
	Standard Wax/Resin: BSS-1D600-110: 110mm x 600m
	Premium Wax/Resin: BSP-1D600-110: 110mm x 600m
	Standard Resin: BRS-1D600-110: 110mm x 600m
	Premium Resin: BRP-1D600-110: 110mm x 600m

Optional Accessories (Dealer Option)

Label Peeler** (with liner rewinder)	PA-LP-006
Cutter**	PA-CU-005
WiFi and Bluetooth Interface (module) (User Option)	PA-WB-001

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

**TJ-4420TN & TJ-4520TN only

***TJ-4422TN & TJ-4522TN only

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