



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 diameter	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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