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Industrial printers built for you, and built to last

TJ-4005DN / 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-4005DN | 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-4005DN | TJ-4020TN | TJ-4021TN**: 203dpi **TJ-4120TN | TJ-4121TN**: 300dpi
Maximum print speed	**TJ-4005DN:** 152mm/sec **TJ-4020TN | TJ-4021TN**: 254mm/sec **TJ-4120TN | TJ-4121TN**: 178mm/sec
Maximum print width	**TJ-4005DN | 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-4005DN | 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-4005DN | 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 / 10 / 11 / Server 2012R2 / Server 2016 / Server 2019 macOS 10.13.x,10.14.x 10.15 macOS 11, 12 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 / 10 / 11 / Server 2012 R2 / Server 2016 / Server 2019 / Server 2022
Mobile SDK	Android v8 or later iOS v11 or later Requires 3rd party app development using Brother SDK, further information available at https://support.brother.com/g/s/es/dev/en/index.html
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 / Windows® 11), Microsoft® Windows® Server 2012 R2 / Server 2016 / Server 2019)

Environmental

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

Supplies

Roll type*^	**Uncoated Thermal transfer label:** BUS-1J074102-203: 102mm x 74mm, 2,940 labels BUS-1J150102-203: 102mm x 150mm, 1,500 labels **Coated Thermal transfer label:** BCS-1J074102-203: 102mm x 74mm, 2,900 labels BCS-1J150102-203: 102mm x 150mm, 1,440 labels
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
Thermal Print Head (203dpi)	BPA-HA2L-004
Thermal Print Head (300dpi)	BPA-HA3L-004
Platen Roller	BPA-PRL-004

*For additional supplies information, please contact your local Brother office
^excluding TJ-4005DN (Direct Thermal only)

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BIE Product Planning: Last updated 11/04/2022