



# 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

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

## Dimensions & Weights

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

## Built In Features

<b>Printing Method</b>	Direct Thermal / Thermal Transfer
<b>Print Resolution</b>	<b>TJ-4020TN   TJ-4021TN:</b> 203dpi <b>TJ-4120TN   TJ-4121TN:</b> 300dpi
<b>Maximum print speed</b>	<b>TJ-4020TN   TJ-4021TN:</b> 254mm/sec <b>TJ-4120TN   TJ-4121TN:</b> 178mm/sec
<b>Maximum print width</b>	<b>TJ-4020TN   TJ-4021TN:</b> 107mm <b>TJ-4120TN   TJ-4121TN:</b> 105.7mm
<b>Minimum print length</b>	Continuous: 5mm Tear mode: 50 mm Peeler mode: 25.4mm Cutter mode: 25.4mm
<b>Maximum print length</b>	<b>TJ-4020TN   TJ-4021TN:</b> 25400mm <b>TJ-4120TN   TJ-4121TN:</b> 11430mm
<b>Minimum media width</b>	20mm
<b>Maximum media width</b>	Tear/Peeler mode: 120mm Cutter mode: 114mm
<b>Maximum roll diameter</b>	203mm
<b>Minimum roll core diameter</b>	25.4mm
<b>Maximum roll core diameter</b>	76.2mm
<b>Minimum ribbon width</b>	40mm
<b>Maximum ribbon width</b>	110mm
<b>Suggested paper core diameter</b>	1" paper core
<b>Inner paper core &amp; ribbon length</b>	1" paper core: Max. OD 81.3 mm, 450m long
<b>Interfaces</b>	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)

<b>Control Panel</b>	<b>TJ-4020TN   TJ-4120TN:</b> 4 LED indicators, 1 status indicator and 2 buttons  <b>TJ-4021TN   TJ-4121TN:</b> 3.5-inch colour touch display 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: 128MB Flash: 128MB
<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  <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® 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
<b>Windows SDK</b>	Microsoft® Windows® 7 / 8.1 / 10 / Server 2012 / Server 2012R2 / Server 2016 / Server 2019
<b>Mobile SDK</b>	Android v5 – v10 iOS v9 – v13.2 Requires 3 <sup>rd</sup> party app development using Brother SDK, further information available at <a href="http://www.brother.eu/developer">www.brother.eu/developer</a>
<b>Software</b>	<b>BarTender Ultra Lite Edition:</b> Barcode label design software  <b>Brother Printer Management Tool:</b> 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

<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-1J074102-203: 102mm x 74mm, 2,940 labels BUS-1J150102-203: 102mm x 150mm, 1,500 labels
	<b>Coated label:</b> BCS-1J074102-203: 102mm x 74mm, 2,900 labels BCS-1J150102-203: 102mm x 150mm, 1,440 labels
	<b>Standard Wax:</b> BWS-1D450-110: 110mm x 450m
	<b>Premium Wax:</b> BWP-1D450-110 – 110mm x 450m
<b>Ribbon type*</b>	<b>Standard Wax/Resin:</b> BSS-1D450-110: 110mm x 450m
	<b>Premium Wax/Resin:</b> BSP-1D450-110: 110mm x 450m
	<b>Standard Resin:</b> BRS-1D450-110: 110mm x 450m
	<b>Premium Resin:</b> BRP-1D450-110: 110mm x 450m

## Optional Accessories (Dealer Option)

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

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

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