



# Industrial printers built for you, and built to last

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



Windows



iOS

## 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<br>USB cable<br>Documentation<br>1" ribbon paper core                                        |
| <b>Language support</b> | Dansk, Deutsch, English, Español,<br>Français, Italian, Nederlands, Norsk,<br>Português, Suomi, Svenska |

## Dimensions & Weights

|                       |                                                                   |
|-----------------------|-------------------------------------------------------------------|
| <b>Without carton</b> | <b>TJ-4020TN   TJ-4120TN:</b><br>248(w) x 436(d) x 274(h)   9.2kg |
|                       | <b>TJ-4021TN   TJ-4121TN:</b><br>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<br><b>TJ-4120TN   TJ-4121TN:</b> 300dpi                                                                    |
| <b>Maximum print speed</b>                  | <b>TJ-4020TN   TJ-4021TN:</b> 254mm/sec<br><b>TJ-4120TN   TJ-4121TN:</b> 178mm/sec                                                              |
| <b>Maximum print width</b>                  | <b>TJ-4020TN   TJ-4021TN:</b> 107mm<br><b>TJ-4120TN   TJ-4121TN:</b> 105.7mm                                                                    |
| <b>Minimum print length</b>                 | Continuous: 5mm<br>Tear mode: 50 mm<br>Peeler mode: 25.4mm<br>Cutter mode: 25.4mm                                                               |
| <b>Maximum print length</b>                 | <b>TJ-4020TN   TJ-4021TN:</b> 25400mm<br><b>TJ-4120TN   TJ-4121TN:</b> 11430mm                                                                  |
| <b>Minimum media width</b>                  | 20mm                                                                                                                                            |
| <b>Maximum media width</b>                  | Tear/Peeler mode: 120mm<br>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 width</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<br>Host<br>Serial RS232C (DB9 female)<br>Wired LAN 10/100BASE-TX<br>Wi-Fi 802.11 a/b/g/n (module option) |

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Control Panel</b>              | <b>TJ-4020TN   TJ-4120TN:</b><br>4 LED indicators, 1 status indicator and 2 buttons<br><br><b>TJ-4021TN   TJ-4121TN:</b><br>3.5-inch colour touch display and 6 button navigation                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Printer commands</b>           | FBPL-EZD<br>(EPL2,ZPL2,DPL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Internal fonts &amp; sizes</b> | 8 alpha-numeric bitmap fonts for FBPL<br>Monotype Image® true type font engine with one CG Triumvirate Bold Condensed scalable font                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Memory</b>                     | RAM: 128MB<br>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<br><br><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® 8.1 / Windows® 10 Server 2012 / Server 2012R2 / Server 2016 / Server 2019<br><br>macOS 10.12.x, 10.13.x, 10.14.x 10.15<br><br>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® 8.1 / Windows® 10<br>Microsoft® Windows® Server 2012 / Server 2012R2 / Server 2016 / Server 2019                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Mobile SDK</b>                 | Android v5 – v10<br>iOS v9 – v13.2<br>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<br><br><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

|                       |                           |
|-----------------------|---------------------------|
| 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* | <b>Standard Wax:</b><br>BWS-1D450-110: 110mm x 450m       |
|              | <b>Premium Wax:</b><br>BWP-1D450-110 – 110mm x 450m       |
|              | <b>Standard Wax/Resin:</b><br>BSS-1D450-110: 110mm x 450m |
|              | <b>Premium Wax/Resin:</b><br>BSP-1D450-110: 110mm x 450m  |
|              | <b>Standard Resin:</b><br>BRS-1D450-110: 110mm x 450m     |
|              | <b>Premium Resin:</b><br>BRP-1D450-110: 110mm x 450m      |

## Optional Accessories (Dealer Option)

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

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

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