



# Desktop label, wristband & receipt printers

TD-4420TN / TD-4520TN Data Sheet

## 4" Professional label, receipt & wristband printer

This versatile high resolution desktop printer uses high-capacity thermal transfer ink ribbons for durable labelling.

The printer has a range of accessories, further allowing full customisation to your exact requirements.

### Key Features:

- Fast print speeds of up to 152mm/sec
- Thermal transfer printing on a range of media
- Compatible with Windows, Mac and Linux
- Printer command languages supported are ZPL, EPL, DPL emulation
- USB and Wired LAN connectivity

Thermal Transfer or  
Direct Thermal  
capability

Label Peeler &  
Full / Partial Cutter  
(Dealer option)



External Roll Holder  
(Optional)

Supporting high  
ribbon capacity -  
up to 300m  
length

## General

|                         |                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Carton contents</b>  | AC adaptor<br>USB cable<br>Documentation<br>2 x 1" ribbon spindles for 300m ribbon<br>1" ribbon paper core |
| <b>Language support</b> | Dansk, Deutsch, English, Español, Français,<br>Italian, Nederlands, Norsk, Português,<br>Suomi, Svenska    |

## Dimensions & Weights

|                       |                                  |
|-----------------------|----------------------------------|
| <b>Without carton</b> | 204(w) x 280(d) x 178(h)   2.5Kg |
|-----------------------|----------------------------------|

## Built In Features

|                                             |                                                                                                                                                                                                                              |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Printing Method</b>                      | Direct Thermal / Thermal Transfer                                                                                                                                                                                            |
| <b>Print Resolution</b>                     | TD-4420TN: 203dpi<br>TD-4520TN: 300dpi                                                                                                                                                                                       |
| <b>Print Speed</b>                          | TD-4420TN: 152mm/sec<br>TD-4520TN: 127mm/sec                                                                                                                                                                                 |
| <b>Print Width</b>                          | TD-4420TN: 108mm<br>TD-4520TN: 105mm                                                                                                                                                                                         |
| <b>Minimum print length</b>                 | Continuous: 5mm, Peeler: 25.4mm,<br>Cutter: 25.4mm, Tear: 50mm                                                                                                                                                               |
| <b>Maximum print length</b>                 | TD-4420TN: 25400mm<br>TD-4520TN: 11430mm<br>(Peeler mode: 152.4mm)                                                                                                                                                           |
| <b>Minimum media width</b>                  | 20mm                                                                                                                                                                                                                         |
| <b>Maximum media width</b>                  | 112mm                                                                                                                                                                                                                        |
| <b>Maximum roll diameter</b>                | 127mm                                                                                                                                                                                                                        |
| <b>Minimum roll core diameter</b>           | 25.4mm                                                                                                                                                                                                                       |
| <b>Minimum ribbon width</b>                 | 40mm                                                                                                                                                                                                                         |
| <b>Maximum ribbon width</b>                 | 110mm                                                                                                                                                                                                                        |
| <b>Suggested paper core width</b>           | 0.5" paper core: fixed width 110mm, width 2 notches in each side<br>1" paper core: fixed width 110mm with 2 notches in each side<br>1" paper core: paper core width is the same as ribbon width and use with ribbon spindles |
| <b>Inner paper core &amp; ribbon length</b> | 0.5" paper core: Max. OD 40 mm, 110M long<br>1" paper core: Max. OD 67 mm, 300M long                                                                                                                                         |

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Interfaces</b>                 | USB Ver.2.0 (Full Speed) (Type B)<br>USB Host<br>Serial RS232C (DB9 female)<br>Wired LAN 10/100BASE-TX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Printer commands</b>           | FBPL-EZD<br>(EPL,ZPL,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: 64MB SDRAM<br>Flash: 128MB NAND-FLASH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Internal Barcode</b>           | Linear: Code128UCC, Code128 subsets A, B, C, EAN128, Interleaved 2 of 5, Interleaved 2 of 5 with check digit, 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, Code11, TELEPEN, TELEPENN, PLANET, Code49, Deutsche Post Identcode, Deutsche Post Leitcode, LOGMARS<br><br>2-dimensional: CODABLOCK F mode, GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417, TLC39<br><br>Microsoft® Windows® 7 / Windows® 8 / Windows® 8.1 / Windows® 10<br>Microsoft® Windows® Server 2008 / Server 2008R2 / Server 2012 / Server 2012R2 / Server 2016 / Server 2019 |
| <b>Operating system support</b>   | OS X 10.10.x,10.11.x<br>macOS 10.12.x,10.13.x,10.14.x, 10.15.x<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® 7 / Windows® 8 / Windows® 8.1 / Windows® 10<br>Microsoft® Windows® Server 2008 / Server 2008R2 / Server 2012 / Server 2012R2 / Server 2016 / Server 2019<br><a href="http://www.brother.co.jp/eng/dev/">www.brother.co.jp/eng/dev/</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Software</b>                   | <b>BarTender Ultra Lite Edition</b> – Barcode label design software<br><b>Brother Printer Management Tool</b> – Software to centrally manage devices for updating settings, firmware and other configurations. (Microsoft® Windows® 7 / Windows® 8 / Windows® 8.1 / Windows® 10 Microsoft® Server 2012 / Server 2012R2 / Server 2016 / Server 2019                                                                                                                                                                                                                                                                                                                                                            |

## Environmental

|                              |                           |
|------------------------------|---------------------------|
| <b>Operating Temperature</b> | 5°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><br>102mm x 74mm – 1100 labels<br>(BUS-1J074102-121)<br>102mm x 150mm – 550 labels<br>(BUS-1J150102-121)<br><b>Coated label</b><br>102mm x 74mm – 1100 labels<br>(BCS-1J074102-121)<br>102mm x 150mm – 550 labels<br>(BCS-1J150102-121)                                                                                                    |
| <b>Ribbon type*</b> | <b>Standard Wax</b> – 110mm x 300m<br>(BWS-1D300-110)<br><b>Premium Wax</b> – 110mm x 300m<br>(BWP-1D300-110)<br><b>Standard Wax/Resin</b> – 110mm x 300m<br>(BSS-1D300-110)<br><b>Premium Wax/Resin</b> – 110mm x 300m<br>(BSP-1D300-110)<br><b>Standard Resin</b> – 110mm x 300m<br>(BRS-1D300-110)<br><b>Premium Resin</b> – 110mm x 300m<br>(BRP-1D300-110) |

## Optional Accessories (Dealer Option)

|                                           |                       |
|-------------------------------------------|-----------------------|
| <b>Label Peeler</b>                       | PA-LP-003 / PA-LP-004 |
| <b>Full &amp; Partial Cutter</b>          | PA-CU-002 / PA-CU-003 |
| <b>External Roll Holder (User Option)</b> | PA-RH-001             |

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

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