

Professional desktop label printers

TD Series

www.brother.eu



**Versatile,
high-resolution
desktop printers**



TD BAKERIES LTD
CHOC CHIP MUFFINS
PACK DATE: 13/02/19
SELL BY DATE: 20/02/19
PRICE: £2.98
NET WEIGHT: 950g
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Brother's range of TD professional label printers offer the ability to print high quality labels on demand, whatever the requirement. Printing labels up to 4 inches in width, and with direct thermal and thermal transfer print technology, they fit the requirements of a large range of vertical market applications.



TD professional
desktop label printers



Seamless Integration

Brother's high specification desktop label printers bring you improved operational efficiency with easy to use, high speed and continuous label printing. Combined with seamless integration and modular design, print from virtually anywhere in the workplace. Supporting a variety of printer command languages, including ZPL II emulation, the TD printers allow you to integrate into existing legacy systems.



Up to 2 inch - Direct Thermal



TD-2020



TD-2120N



TD-2130N



TD-2130NHC

Up to 4 inch - Direct Thermal



TD-4410D



TD-4420DN



TD-4520DN



TD-4550DNWB

Up to 4 inch - Thermal Transfer / Direct Thermal



TD-4420TN



TD-4520TN



TD-4650TNWB



TD-4750TNWB



TD-4650TNWBR



TD-4750TNWBR

Professional label printing



BLOOD SAMPLE
BOTTLES

Labels are often required to display a considerable amount of important information, so you need a printer that can put it all together efficiently, with consistent, high-quality results.

The TD Series of desktop label printers offers direct thermal and thermal transfer high speed printing, at up to 300 dpi resolution. Options include a peeler or automatic cutter, for producing continuous media to your required length on demand. The software supports barcode printing, embellish font programming for highlighting specific words, and also allows you to import graphics and date formats for a truly personalised solution.

Printing Technology

Direct Thermal

Low-cost, high-volume labels can be created through this process, which uses a heat-sensitive coating and thermal print head, meaning traditional printing ribbons and ink are not required. Ideal for shorter term and less permanent labelling uses.

Thermal Transfer

Crisp, durable printing is achieved through a process in which the ink is absorbed into the label, making it ideal for applications that require robust, harder-wearing labels.

Healthcare, medical and laboratory



With the strict regulations on the tracking of patient specimens and other items within the healthcare industry, clear, high quality labelling is essential to maintain safety and traceability.

A selection of the thermal transfer TD models offer RFID capability, enabling healthcare organisations to implement paper-free patient identification - improving efficiency and reducing human error.

Applications include:

- Appointment cards
- Admission labels
- Specimen and pathology labels
- Blood bag labels
- Laboratory labels
- Microbiology labels
- Dosage/drug bag labels
- Wristbands



Warehousing and logistics



Efficient warehousing operation and worker productivity are critical to the success of many companies. With the most common sizes of shipping labels available and the ability to create custom sized labels there are many uses for these models in the warehouse.

Applications include:

- Shipping labels
- Carton labels
- Location labels
- Pallet identification labels
- Quality control labels
- Compliance labels



Retail



Easy to read labels are essential for consumers to help make informed decisions prior to a potential purchase. The high print resolution and high quality labels used in this range ensure that every output printed looks professional, offering sharp text, logos and barcodes with a high contrast to ensure faultless scanning at the checkout.

Futhermore, printing labels with RFID tags enables retailers to streamline inventory management and asset tracking while improving security.

Applications include:

- Pricing labels
- Barcode labels
- Pre-packaged food ingredients labels
- Nutrition information labels
- Shelf-edge labels
- Sale/mark-down/discount pricing labels



TD-2 Range

brief summary

TD-2020

TD-2120N

TD-2130N

TD-2130NHC

2 Inch

Printing

Print technology	Direct thermal			
Print speed	152mm/sec			
Resolution	203dpi			300dpi
Max print width	56mm			
Min print length	6mm			
Max print length	1000mm			
Media sensor type	Gap (transmissive), Bar (reflective)			Bar (reflective)
Media sensor location	Gap (fixed), Reflective (adjustable)			Reflective (adjustable)
Tear off release mode	●	●	●	●
TrustSense media support				●

Connectivity

USB	●	●	●	●
Serial (via adapter)	●	●	●	●
Wired LAN		●	●	●
USB Host Port		●	●	●
Bluetooth (option)		●	●	●
Wireless LAN (option)		●	●	●

General

Dimensions (mm)	110 (w) x 215 (d) x 172 (h)			
Weight	1.32kg			1.34kg
Control panel	3 button 2 LED			
LCD*		●	●	●
Operating system support	Windows XP/Vista 7/8/10, Linux	Windows XP/ Vista 7/8/10 Windows Server 2008/2008R2 Windows Server 2012/2012R2, Linux		
Supported commands	P-touch Template, ESC/P, Raster, ZPL II emulation			

* Via Touch Display Unit (optional)

TD-4 Range

brief summary

TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB	TD-4420TN	TD-4520TN	TD-4650TNWB	TD-4750TNWB	TD-4650TNWB/R	TD-4750TNWB/R
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4 Inch

Printing

Print technology	Direct thermal		Thermal Transfer/Direct Thermal					
Print speed	203mm/sec	152mm/sec	152mm/sec	127mm/sec	203.2mm/sec	152.4mm/sec	203.2mm/sec	152.4mm/sec
Resolution	203dpi	300dpi	203dpi	300dpi	203dpi	300dpi	203dpi	300dpi
Max print width	104.1mm	108.4mm	108mm	105.7mm	108mm	105.7mm	108mm	105.7mm
Min print length	Continuous: 6.4mm, Peeler: 12.7mm, Cutter: 20mm, Tear: 27mm		Peeler: 25.4mm, Cutter: 25.4mm, Tear: 50mm		Continuous: 5mm Tear mode: Media width less than 2 inch: 25.4mm Media width greater than 2 inch: 50mm Peeler mode: 25.4mm Cutter mode: 25.4mm			
Max print length	3000mm		25,400mm	11,430mm	25,400mm	11,430mm	25,400mm	11,430mm
Media sensor type	Gap (transmissive), Bar (reflective)							
Media sensor location	Gap (fixed), Reflective (adjustable)							
Tear off release mode	Standard: Continuous, Tear off Optional: Peeler, Cutter						Standard: Continuous, tear off	

Connectivity

USB	●	●	●	●	●	●	●	●	●
Serial	●	●	●	●	●	●	●	●	●
Wired LAN		●	●	●	●	●	●	●	●
USB Host Port				●	●	●	●	●	●
Bluetooth				●		●	●	●	●
Wireless LAN				●		●	●	●	●

General

Dimensions (mm)	180(w) x 224(d) x 155(h)		204(w) x 280(d) x 178(h)		219(w) x 284(d) x 191(h)			
Weight	2.08kg		2.5kg		3.0kg			
Control panel	3 button 3 LED		7 button 3 LED		1 button 1 LED with 3 colours		1 LED with 3 colors. 6 buttons for Navigation, MENU and FEED/PAUSE/SELECT	
LCD			●			●	●	●
Operating system support	Windows 7/8/8.1/10 Linux	Windows 7/8/8.1/10, Windows Server 2008/2008R2/2012/2012R2/2016 Linux		Windows 7/8/8.1/10, Windows Server 2008/2008R2/ 2012/2012R2/2016 OS X 10.10.x,10.11.x macOS 10.12.x, 10.13.x, 10.14.x Linux		Windows 7 Windows 8 Windows 8.1 Windows 10 Windows Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019 Linux Mac OS v10.6-10.15		
Supported commands	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation			FBPL-EZD (EPL2, ZPL2, DPL) emulation				

TD-2 Accessories and consumable supplies

Brother has designed and engineered a wide range of accessories to help customise the solution to meet your specific labelling requirements. Brother accessories help users equip their device to cope with the specific requirements of use.

Power and additional options

PA-WI-001

Wi-Fi WLAN Interface

TD-2120N
TD-2130N
TD-2130NHC



PA-BI-001

Bluetooth Interface

TD-2120N
TD-2130N
TD-2130NHC



PA-SCA-001

Serial Adapter

TD-2020
TD-2120N
TD-2130N
TD-2130NHC



PA-TDU-001

Touch Panel Display

TD-2120N
TD-2130N
TD-2130NHC



PA-BB-001

Battery Charging Unit*

TD-2120N
TD-2130N
TD-2130NHC



* Requires PA-BT-4000LI

PA-BT-4000LI

Li-ion rechargeable Battery*

TD-2120N
TD-2130N
TD-2130NHC



* Requires PA-BB-001

PA-LP-001

Label Peeler**

TD-2120N
TD-2130N



Consumables

RD-S05E1

Die Cut Labels Roll

Label size:
51mm x 26mm
Quantity:
1552 per roll
Colour: white

TD-2020
TD-2120N
TD-2130N



RD-S07E5

Continuous Receipt Roll

Size:
58mm x 86m
Colour: white

TD-2020
TD-2120N
TD-2130N



Wristband & label options for TD-2130NHC only

Wristband Product code	Description	Size	Quantity
8100-11-PDK	CompuBand® adult wristband direct thermal, clasp closure, white.	292mm x 28.5mm	150
8101-11-PDK	CompuBand® adult/paediatric wristband direct thermal, clasp closure, white.	292mm x 19mm	150
8102-11-PDK	Conf-Ident® paediatric wristband, direct thermal, clasp closure, white	266mm x 25mm	150
8150-11-PDL	ScanBand® adult wristband direct thermal, adhesive closure, white.	292mm x 28.5mm	200
8151-11-PDL	ScanBand® adult/paediatric wristband adhesive closure, white.	292mm x 19mm	200
8185-11-PDL	Precision® infant wristband adhesive closure, white.	203mm x 28.5mm	200
8195-11-PDO	TenderCare® Mother-infant wristband set, adhesive closure, white.	292mm x 51mm	120
Label Product code	Description	Size	Quantity
TDTS-21	Direct thermal label, permanent adhesive	50.8mm x 25.4mm	1000
TDTS-2114	Direct thermal label, permanent adhesive	50.8mm x 31.7mm	1000
TDTS-2581	Direct thermal label, permanent adhesive	25.4mm x 66.7mm	500
TDTS-7878	Direct thermal label, synthetic stock, permanent adhesive	22.2mm x 22.2mm	500
TDTS-118312	Direct thermal label, permanent adhesive	28.5mm x 88.9mm	500
TDTS-211516	Direct thermal label, permanent adhesive	50.8mm x 33.3mm	500

** Not compatible with TD-2130NHC

TD-4D Accessories and consumable supplies

TD-4D Additional Options

PA-LP-002

Label Peeler

TD-4410D
TD-4420DN
TD-4520DN
TD-4550DNWB



PA-CU-001

Cutter

TD-4410D
TD-4420DN
TD-4520DN
TD-4550DNWB



PA-HU2-001

Thermal Print Head (203dpi)

TD-4410D
TD-4420DN



PA-HU3-001

Thermal Print Head (300dpi)

TD-4520DN
TD-4550DNWB



PA-PR2-001

Platen Roller (203dpi)

TD-4410D
TD-4420DN



PA-PR3-001

Platen Roller (300dpi)

TD-4520DN
TD-4550DNWB



TD-4D Consumables

RD Rolls	Size	Quantity	Colour	Item No
Continuous receipt roll	102mm x 27.7m	n/a	White	RD-M01E5
Continuous receipt roll	76mm x 35.3m	n/a	White	RD-P08E5
Continuous receipt roll	58mm x 86m	n/a	White	RD-S07E5
Continuous receipt roll	58mm x 12m	n/a	White	RD-R03E5
Continuous label roll	102mm x 44.7m	n/a	White	RD-S01E2
Die cut labels roll	102mm x 50mm	843 labels	White	RD-S03E1
Die cut labels roll	102mm x 152mm	72 labels	White	RD-M03E1
Die cut labels roll	102mm x 152mm	281 labels	White	RD-S02E1
Die cut labels roll	76mm x 26mm	1564 labels	White	RD-S04E1
Die cut labels roll	76mm x 44mm	335 labels	White	RD-P09E1
Die cut labels roll	51mm x 26mm	1564 labels	White	RD-S05E1
Die cut labels roll	51mm x 26mm	450 labels	White	RD-Q04E1



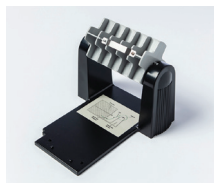
TD-4T Accessories and consumable supplies

TD-4T Additional Options

PA-RH-001

External Roll Holder

TD-4420TN
TD-4520TN
TD-4650TNWB
TD-4750TNWB
TD-4650TNWBR
TD-4750TNWBR



PA-CU-003

Cutter

TD-4420TN
TD-4520TN
TD-4650TNWB
TD-4750TNWB
TD-4650TNWBR*
TD-4750TNWBR*



PA-LP-004

Peeler

TD-4420TN
TD-4520TN
TD-4650TNWB
TD-4750TNWB
TD-4650TNWBR*
TD-4750TNWBR*



* Not recommended for use with RFID tags

TD-4T Consumables

TD-4T Rolls	Size	Quantity	Colour	Item No
Uncoated thermal transfer die cut labels	102mm x 74mm	1,100	White	BUS-1J074102-121
Uncoated thermal transfer die cut labels	102mm x 150mm	550	White	BUS-1J150102-121
Coated thermal transfer die cut labels	102mm x 74mm	1,100	White	BCS-1J074102-121
Coated thermal transfer die cut labels	102mm x 150mm	550	White	BCS-1J150102-121

TD-4T Ribbons	Substrate compatibilities	Length	Width	Item No
Standard wax	Coated/uncoated paper and tags, high gloss paper	300m	60mm / 2.36 inch	BWS-1D300-060
			80mm / 3.15 inch	BWS-1D300-080
			110mm / 4.33 inch	BWS-1D300-110
Premium wax	Coated/uncoated paper and tags, high gloss paper, economy synthetics	300m	60mm / 2.36 inch	BWP-1D300-060
			80mm / 3.15 inch	BWP-1D300-080
			110mm / 4.33 inch	BWP-1D300-110
Standard wax/resin	Coated/uncoated paper and tags, high gloss paper, economy synthetics	300m	60mm / 2.36 inch	BSS-1D300-060
			80mm / 3.15 inch	BSS-1D300-080
			110mm / 4.33 inch	BSS-1D300-110
Premium wax/resin	Coated/uncoated paper and tags, high gloss paper, synthetics	300m	60mm / 2.36 inch	BSP-1D300-060
			80mm / 3.15 inch	BSP-1D300-080
			110mm / 4.33 inch	BSP-1D300-110
Standard resin	Coated papers and tags, synthetics, textures	300m	60mm / 2.36 inch	BRS-1D300-060
			80mm / 3.15 inch	BRS-1D300-080
			110mm / 4.33 inch	BRS-1D300-110
Premium resin	Economy and speciality synthetics	300m	60mm / 2.36 inch	BRP-1D300-060
			80mm / 3.15 inch	BRP-1D300-080
			110mm / 4.33 inch	BRP-1D300-110



For additional consumable options please contact your local Brother office.

With label design apps for desktop PC's and mobile devices, and Software Development Kits (SDK's) to integrate the TD range into your own applications, you can choose the best option for your label printing needs. Brother provides all the necessary tools required for software developers to integrate printing into their applications. Printer drivers are available for Windows OS, and SDK's can be provided to support Windows Mobile*, Android and iOS operating systems.

Software Support Features

P-touch Editor

Supplied as standard, you can create your own custom labels with pixel precision by using this powerful software solution. With features such as support for over 15 barcode protocols, advanced image dithering to print high quality grayscale images, and the ability to link to data contained in Excel spreadsheets for batch printing of labels, any label design is possible.

Crop Function

Built into the Windows driver, this function helps take away the inconvenience of using A4 sheets of labels in your standard printer. This clever feature automatically scans through the document and where a barcode is present it extracts shipping or product labels one at-a-time then prints as individual on the Brother label printer.

Template Mode

Design the required document on your Windows PC, including logos and barcodes. Once transferred and stored in the printer's memory, the template can be recalled and any data replaced, before printing with just a few short commands.

Printer Commands

With support for ZPL II emulation and a variety of additional printer command languages, developers can easily integrate printing into existing legacy systems (see specification tables for further details).

Mobile Deploy

Cloud-based app for mobile devices (iOS and Android™), which allows IT administrators to remotely update and configure multiple Brother mobile printers. Using Mobile Deploy, the administrator can easily upload new update packages to an online location, and then share the URLs with the users.

Software Development Kits (SDK's)

Brother can also supply a selection of free of charge Software Development Kits to give you an easy method of incorporating label printing directly from within your own software programs. Available from: www.brother.eu/developer

Legacy Print Data Conversion

This feature simplifies integration with legacy systems by converting print commands into P-touch Templates. These templates can be updated externally to the legacy system without the need of specialist knowledge of print languages such as EPL, ESC/POS and others.

* Compatibility may vary dependent on model - check table on following page



Software

Model No	TD-2020	TD-2120N	TD-2130N	TD-2130NHC	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB	TD-4420TN	TD-4520TN	TD-4650TNWB	TD-4750TNWB	TD-4650TNWBR	TD-4750TNWBR
P-touch Editor	✓	✓	✓	✓	✓	✓	✓	✓						
Mobile Deploy App								✓						
Brother Font Manager*					✓	✓	✓	✓						
Printer Settings Tool	✓	✓	✓	✓	✓	✓	✓	✓						
Bartender Ultra Lite Edition									✓	✓	✓	✓	✓	✓
Brother Printer Management Tool									✓	✓	✓	✓	✓	✓
Crop Function (Windows driver)							✓	✓						

* Font licensee permissions are required

TD-2 Range

in detail

TD-2020

TD-2120N

TD-2130N

TD-2130NHC

2 Inch

Printing

Print technology	Direct thermal		
Print speed	MAX 6 ips (152.4 mm/sec) (*Under Brother standard environment) (Battery option: Max 3 ips (76.2mm/sec))		
Resolution	203dpi		300dpi
Max. print width	56mm (2.205 inch)		
Max. print length	1,000 mm (9.37 inch)		
Min. print length	6mm (0.24 inch)		—
Media sensor type	Gap (transmissive), Bar (reflective)		Bar (reflective)
Media sensor location	Reflective (adjustable), Gap (fixed)		Reflective (adjustable)
Tear off release mode	Standard: Continuous, Tear off Optional: Not supported	Standard: Continuous, tear off Optional: Peeled	Standard: Continuous, Tear off Optional: Not supported

Media

Media types	Receipt, label and wristband	TrustSense Media
Media thickness	0.058mm - 0.279mm (0.0023 inch to 0.011 inch)	—
Media width	19mm - 63mm (0.75 inch to 2.48 inch)	—
Media length	12.7 mm - 1,000 mm (0.5 inch to 39.37 inch)	—
Diameter (max)	127mm (5 inch)	
Core Diameter (max)	25.4mm (1 inch)	

Connectivity

USB	●	●	●	●
Serial	Yes RS232C * Original serial cable (option required)			
Wired LAN	Not supported	10/100BASE-TX		
USB host port	Not supported	Supported only PA-WI-001 (optional) or barcode readers		
Bluetooth (option)		●	●	●
Bluetooth profile	—	SPP (Serial Port Profile) / BIP (Basic Imaging Profile) / OPP (Object Push Profile) supported		
Wireless LAN (option)	—	IEEE802.11b/g/n (Infrastructure Mode IEEE802.11b (Adhoc mode))		
Wireless LAN security	—	Open System (None/WEP) <Personal mode> Open System (None/WEP) Public Key Authentication (WEP) WPA-PSK/WPA2-PSK (TKIP/AES) <Enterprise mode> LEAP (CKIP) EAP-FAST (TKIP/AES) PEAP (TKIP/AES) EAP-TTLS (TKIP/AES) EAP-TLS (TKIP/AES)		

General

Control panel	3 button 2 LED		
Touch panel keyboard display with real time clock (option)	●	●	●
Tear bar	●	●	●
Peeler	—	Optional	—
Battery (option)	●	●	●
Battery charging time	—	180 min. (23°C New battery)	
Battery yield	—	57mm x 200m (1 roll : 5 inch OD roll) * Connected by USB with new battery with full charging. Printed by Brother special data (9% coverage 57mm x 127mm) at 23 degree Celsius (*Under Brother standard environment)	
Adapter	AC adapter (100 - 240 V 50/60Hz)		

TD-2020

TD-2120N

TD-2130N

TD-2130NHC

2 Inch

Memory

RAM	32MB
Flash	16MB

Environmental

Operating temperature	Operate: 5°C to 40°C	Operate: 5°C to 40°C Charge: 5°C to 40°C
Operating humidity	20 to 80% (No condensation, Maximum wet bulb temperature: 27°C)	
Storage temperature	-20°C to 60°C	
Storage humidity	20 to 80% (No condensation, Maximum wet bulb temperature: 45°C)	

Weights & Dimensions

Dimensions (mm)	110mm (w) x 172 mm (h) x 215mm (d)	
Weights	Printer: 1.32kg 2.91 pound	Printer: 1.34kg 2.96 pound. Printer with battery: 1.88kg 4.15 pound

Included Items

Supplied in box	Printer	
	AC power cord & AC adaptor	
	CD (Printer Driver, P-touch Editor 5.0, P-touch Transfer Manager 2.1, P-touch Update Software, Printer Setting tool, User's Guide, Software User's Guide)	CD (Printer Driver, P-touch Editor 5.0, P-touch Transfer Manager 2.1, P-touch Update Software, BRAdmin Light, Printer Setting tool, User's Guide, Software User's Guide, Network User's Guide)
	USB Cable (mini-USB)	
	Quick Reference Guide. Product Safety Guide (including warranty card)	



TD-4 Range

in detail

TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB	TD-4420TN	TD-4520TN	TD-4650TNWB	TD-4750TNWB	TD-4650TNWBR	TD-4750TNWBR
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4 Inch

Printing

Print technology	Direct thermal		Thermal Transfer/Direct Thermal					
Print speed	203mm/sec	152mm/sec	152mm/sec	127mm/sec	203.2mm/sec	152.4mm/sec	203.2mm/sec	152.4mm/sec
Resolution	203dpi	300dpi	203dpi	300dpi	203dpi	300dpi	203dpi	300dpi
Max. print width	104.1mm	108.4mm	108mm	105.7mm	108mm	105.7mm	108mm	105.7mm
Min. print length	Continuous: 6.4mm, Peeler: 12.7mm, Cutter: 20mm, Tear: 27mm		Peeler: 25.4mm, Cutter: 25.4mm Tear: 50mm		Continuous: 5mm Tear mode: Media width less than 2 inch: 25.4mm Media width greater than 2 inch: 50mm Peeler mode: 25.4mm Cutter mode: 25.4mm			
Max. print length	3000mm		25,400mm	11,430mm	25,400mm	11,430mm	25,400mm	11,430mm
Media sensor type	Gap (Transmissive), Bar (Reflective)							
Media sensor location	Gap (Fixed), Reflective (Adjustable)							
Tear off release mode	Standard: Continuous, Tear off Optional: Peeler, Cutter				Standard: Continuous, tear off Optional: Peeler, Cutter		Standard: Continuous, tear off Optional: Peeler, Cutter*	

Media

Media types	Wristbands, Continuous, Die cut, Fan fold, Perforated, Tag		Media type Continuous, black mark, label with gap, notch media, punched hole media	Media type Continuous, black mark, label with gap, notch media, punched hole media, Gen2 RFID tag
Media thickness	0.058mm - 0.279mm (0.002 inch to 0.011 inch)		0.06 - 0.19 mm (0.002 inch to 0.007 inch)	
Media width	19mm - 118.11 mm (0.75 inch to 4.65 inch)		20 - 112mm (0.79 inch to 4.41 inch)	
Media length	6.4mm - 3,000 mm (0.25 inch to 118.11 inch)		5mm - Max. print length (0.20 inch to Max inch)	
Diameter (max)	127mm (5 inch)			
Core Diameter (min)	12.7mm (0.5 inch)	25.4mm & 38.1mm (1.0 inch & 1.5 inch)	25.4mm & 38.1mm	

Ribbon

Types	—	Wax, Wax/Resin, Resin
Wound type	—	Outside wound
Ribbon width	—	40 - 110 mm (1.57 inch to 4.33 inch)
Suggested paper core width	—	0.5 inch paper core: fixed width 110mm, width 2 notches in each side 1inch paper core: fixed width 110mm with 2 notches in each side 1inch paper core: paper core width is the same as ribbon width and use with ribbon spindles
Inner paper core & ribbon length	—	0.5 inch paper core: Max. OD 40mm, 110m length 1inch paper core: Max. OD 67mm, 300m length

Connectivity

USB	USB version 2.0 (full speed) Type B				USB Version 2.0 (High Speed)			
USB host capability			●	●	●	●	●	●
Serial	Serial RS232C (DB9 male)			Serial RS232C (DB9 female)		Serial RS232C (DB9 female)		
Wired LAN	10/100BASE-TX							
USB host port			●	●	●	●	●	●
Bluetooth	—	Version 4.2	—			Version 4.2		
Bluetooth profile	—	SPP, OPP, HCRP Bluetooth Classic, GATT (Bluetooth Low Energy)	—			SPP, Bluetooth Classic		
Wireless LAN	—	802.11a/b/g/n	—			802.11a/b/g/n		
Wireless LAN security	—	See model TD-4650TNWB specifications and also includes Wireless direct mode WPA2-PSK (AES)	—			Authentic method (encryption scheme) Infrastructure mode - Open system (None/ WEP64/WEP128) Common key authentication (WEP) WPA/WPA2 - PSK (TKIP+AES) EAP-FAST (TKIP/AES), PEAP (TKIP/AES), EAP-TLS (TKIP/AES), EAP-TTLS (TKIP/AES)		
MFI support			●					
AirPrint			●					
Wired LAN	●	●	●	●	●	●	●	●

* Not suitable for RFID tags

TD-4410D
 TD-4420DN
 TD-4520DN
 TD-4550DNWB
 TD-4420TN
 TD-4520TN
 TD-4650TNWB
 TD-4750TNWB
 TD-4650TNWBR
 TD-4750TNWBR

4 Inch

General

Control panel	3 button 3 LED	7 button 3 LED	1 button 1 LED with 3 colours	1 LED with 3 colors, 6 buttons for Navigation, MENU and FEED/PAUSE/SELECT
LCD type	—	Mono	—	Colour

Power

Adapter	AC adapter (100 - 240V 50/60Hz)	AC adapter Input: AC 100-240V, 2.0A, 50-60Hz Output: DC24V, 2.5A, 60W, LPS	AC adapter Input: AC 100-240V, 2.0A, 50-60Hz Output: DC 24V, 3.75A, 90W CEC6 compliance
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Software

Operating system support	Windows 7/8/8.1/10 Linux	Windows 7/8/8.1/10 Windows Server 2008/2008R2/2012/2012R2/2016 Linux	Windows 7, 8, 8.1, 10 Windows Server 2008, 2008 R2, 2012, 2012 R2, 2016, 2019 Linux Mac OS v10.6-10.15
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Supported printer commands	P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation	FBPL-EZD (EPL2, ZPL2, DPL) emulation
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Barcode symbologies	Linear: CODE 39, ITF(I-2/5), EAN-8(JAN8), EAN-13(JAN13), UPC-A, UPC-E, CODABAR (NW-7), CODE 128, GS1-128 (UCC/EAN 128), GS1 Databar (Standard (Omnidirectional)/ Truncated/Stacked/Stacked Omnidirectional/ Limited/Expanded), CODE93, POSTNET, UPC/EAN EXTENSION, MSI, Intelligent Mail Barcode 2-dimensional: QR Code (model 1, model 2, micro QR), Maxicode, PDF417 (Standard, Truncate, MicroPDF417) Data Matrix (ECC200 Square, ECC200 Rectangular) Aztec	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 2-dimensional: GS1 DataBar, GS1 DataMatrix, Maxicode, AZTEC, PDF417, QR Code, Micro PDF 417
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Internal fonts	ESC/P-> Bitmap font: LetterGothicBold (16,24,32,48dot), Helsinki (16,24,32,48dot), Brussels (24,32,48dot), Brougham (24,32,48dot), San Diego (24,32,48dot), Gothic (16,24,32dot) Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 - 400dots) <P-touch Template> Outline font: LetterGothicRegular, Helsinki, Brussels, Gothic (1 - 400dots) Downloadable font support* via Font Manager software	8 alpha-numeric bitmap fonts for FBPL Monotype Image® true type font engine with one CG Trumvirate Bold Condensed scalable font
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Memory

RAM	256MB	64MB	128MB
Flash	64MB	128MB	128MB

Environmental

Operating temperature		Operate: 5°C to 40°C
Operating humidity	20 - 85% (No condensation, Max wet bulb temperature: 27°C)	25 - 85% non-condensing
Storage temperature	-20°C to 60°C	-40°C to 60°C
Storage humidity		10 - 90% (No condensation)

Weights & Dimensions

Dimensions (mm)	180(w) x 155(d) x 224(h)	204(w) x 178(d) x 280(h)	219(w) x 284(d) x 191(h)
Weights	2.08kg	2.5kg	3.0kg

Included Items

Supplied in box	AC adaptor & cord, USB cable, documentation	AC adaptor & cord, USB cable, documentation. Pair of 1" Ribbon spindles for 300M ribbon 1" ribbon paper core	Printer AC code & AC adaptor A pair of 1" Ribbon spindles for 300M ribbon 1" ribbon paper core USB Cable (1.5m) Quick Start Guide Product Safety Guide (including warranty card)
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