brother
at your side

Professional desktop thermal printers

TD Series

www.brother.co.uk

Versatile, high-resolution desktop printers

Brother's range of TD professional thermal printers allows you to print high quality labels on demand. Printing labels up to 4 inches in width, using direct thermal and thermal transfer print technology, they fit the requirements of a large range of 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 |

Up to 4 inch - Direct Thermal

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

Up to 4 inch - Direct Thermal / Thermal Transfer

| TD-4420TN | TD-4520TN |

| TD-4650TNWB | TD-4750TNWB | TD-4650TNWBR | TD-4750TNWBR |

Professional label printing

Healthcare, medical and laboratory

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.

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.

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 and/or RFID labels.

Warehousing and logistics

Retail

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
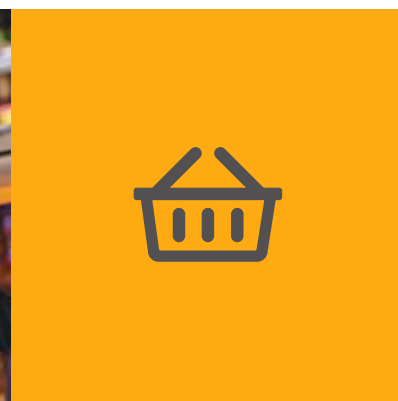- Quality control labels
- Compliance labels.

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
		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)	
Media sensor location		Gap (fixed), Reflective (adjustable)	
Tear off release mode	●	●	●
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-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	**PA-BI-001**	**PA-SCA-001**	**PA-TDU-001**	**PA-BB-001**	**PA-BT-4000LI**	**PA-LP-001**
Wi-Fi WLAN Interface	**Bluetooth Interface**	**Serial Adapter**	**Touch Panel Display**	**Battery Charging Unit***	**Li-ion rechargeable Battery***	**Label Peeler**
TD-2120N TD-2130N	TD-2120N TD-2130N	TD-2020 TD-2120N TD-2130N	TD-2120N TD-2130N	TD-2120N TD-2130N	TD-2120N TD-2130N	TD-2120N TD-2130N

* Requires PA-BT-4000LI   * Requires PA-BB-001

Consumables

RD-S05E1	**RD-S07E5**
Die Cut Labels Roll	**Continuous Receipt Roll**
Label size: 51mm x 26mm **Quantity:** 1552 per roll **Colour:** white TD-2020 TD-2120N TD-2130N	**Size:** 58mm x 86m **Colour:** white TD-2020 TD-2120N TD-2130N

Wristband options (for TD-2130N only)

Wristband Product code	Description	Size	Quantity
8100-11-PDK	CompuBand® adult wristband direct thermal, clasp closure, white.	29.2 x 2.9	150
8101-11-PDK	CompuBand® adult/paediatric wristband direct thermal, clasp closure, white.	29.2 x 1.9	150
8102-11-PDK	Conf-Ident® paediatric wristband, direct thermal, clasp closure, white	26.6 x 2.5	150
8150-11-PDL	ScanBand® adult wristband direct thermal, adhesive closure, white.	29.2 x 2.5	200
8151-11-PDL	ScanBand® adult/paediatric wristband adhesive closure, white.	29.2 x 1.9	200
8185-11-PDL	Precision® infant wristband adhesive closure, white.	20.3 x 2.9	200
8195-11-PDO	TenderCare® Mother-infant wristband set, adhesive closure, white.	20.3 x 2.9	120

Label Product code	Description	Size	Quantity
8100-11-PDK	CompuBand® adult wristband direct thermal, clasp closure, white.	29.2 x 2.9	150
8101-11-PDK	CompuBand® adult/paediatric wristband direct thermal, clasp closure, white.	29.2 x 1.9	150
8102-11-PDK	Conf-Ident® paediatric wristband, direct thermal, clasp closure, white	26.6 x 2.5	150
8150-11-PDL	ScanBand® adult wristband direct thermal, adhesive closure, white.	29.2 x 2.5	200
8151-11-PDL	ScanBand® adult/paediatric wristband adhesive closure, white.	29.2 x 1.9	200
8185-11-PDL	Precision® infant wristband adhesive closure, white.	20.3 x 2.9	200

TD-4D Range
brief summary

	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB
			4 Inch	
Printing				
Print technology		Direct thermal		
Print speed (mm/sec)		203	152	
Resolution		203dpi	300dpi	
Max print width		104.1mm	108.4mm	
Min print length		Continuous: 6.4mm, Peeler: 12.7mm, Cutter: 20mm, Tear: 27mm		
Max print length		3000mm		
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		
Connectivity				
USB	●	●	●	●
Serial	●	●	●	●
Wired LAN		●	●	●
USB Host Port				●
Bluetooth				●
Wireless LAN				●
General				
Dimensions (mm)		180(w) x 224(d) x 155(h)		
Weight		2.08kg		
Control panel		3 button 3 LED		7 button 3 LED
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		
Supported commands		P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation		

TD-4D Accessories
and consumable supplies

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

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	Label 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	White	RD-S03E1
Die-cut labels roll	102mm x 152mm	72	White	RD-M03E1
Die-cut labels roll	102mm x 152mm	281	White	RD-S02E1
Die-cut labels roll	76mm x 26mm	1564	White	RD-S04E1
Die-cut labels roll	76mm x 44mm	335	White	RD-P09E1
Die-cut labels roll	51mm x 26mm	1564	White	RD-S05E1
Die-cut labels roll	51mm x 26mm	450	White	RD-Q04E1

TD-4T Range
brief summary

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

Printing

Print technology	Thermal Transfer/Direct Thermal					
Print speed (mm/sec)	152	127	203.2	152.4	203.2	152.4
Resolution	203dpi	300dpi	203dpi	300dpi	203dpi	300dpi
Max print width	108mm	105.7mm	108mm	105.7mm	108mm	105.7mm
Min print length	Peeler: 25.4mm, Cutter: 25.4mm Tear: 50mm		Continuous: 5mm Tear mode: Media width less than 2 inch: 25.4 mm Media width greater than 2 inch: 50 mm Peeler mode: 25.4mm Cutter mode: 25.4mm			
Max print length	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)	204(w) x 280(d) x 178(h)		219(w) x 284(d) x 191(h)			
Weight	2.5kg		3.0kg			
Control panel	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, 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	FBPL-EZD (EPL2, ZPL2, DPL) emulation					

TD-4T Accessories
and consumable supplies

TD-4T Additional options

PA-LP-004 Label peeler*	PA-CU-003 Full and partial cutter*	PA-RH-001 External roll holder
TD-4420TN TD-4520TN	TD-4420TN TD-4520TN TD-4650TNWB TD-4750TNWB TD-4650TNWBR* TD-4750TNWBR*	TD-4420TN TD-4520TN TD-4650TNWB TD-4750TNWB TD-4650TNWBR TD-4750TNWBR

* Not recommended for use with RFID tags

TD-4T Consumables

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

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

For additional consumable options please contact your Brother account manager.

With label design apps for desktop PCs and mobile devices, and Software Development Kits (SDKs) 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 SDKs can be provided to support Windows Mobile,* Android and iOS operating systems.

Software, support and 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.

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.

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 labels on the Brother label printer.

Software Development Kits (SDKs)

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**

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.

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.

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).

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

Software

	TD-2020	TD-2120N	TD-2130N	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

For further details visit: https://support.brother.com

TD-2 Range
in detail

	TD-2020	TD-2120N	TD-2130N
	2 Inch		

Printing

	TD-2020	TD-2120N	TD-2130N
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)		
Media sensor location	Reflective (adjustable), Gap (fixed)		
Tear off release mode	Standard: Continuous, Tear off Optional: Not supported	Standard: Continuous, tear off Optional: Peeled	

Media

	TD-2020	TD-2120N	TD-2130N
Media types	Receipt (Non-coated & Coated)		
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

	TD-2020	TD-2120N	TD-2130N
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

	TD-2020	TD-2120N	TD-2130N
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
	2 Inch		

Memory

	TD-2020	TD-2120N	TD-2130N
RAM	32MB		
Flash	16MB		

Environmental

	TD-2020	TD-2120N	TD-2130N
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

	TD-2020	TD-2120N	TD-2130N
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

	TD-2020	TD-2120N	TD-2130N
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

4 Inch

	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB	TD-4420TN	TD-4520TN	TD-4650TNWB	TD-4750TNWB	TD-4650TNWBR	TD-4750TNWBR
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: 25.4 mm Media width greater than 2 inch: 50 mm 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				●	●	●	●	●	●	●

4 Inch

	TD-4410D	TD-4420DN	TD-4520DN	TD-4550DNWB	TD-4420TN	TD-4520TN	TD-4650TNWB	TD-4750TNWB	TD-4650TNWBR	TD-4750TNWBR
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			
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			
Supported printer commands	P-touch Template, ESC/P		P-touch Template, ESC/P, Raster, ZPL II emulation, CPCL emulation				FBPL-EZD (EPL2, ZPL2, DPL) emulation			
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			
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 Triumvirate Bold Condensed scalable font			
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, documentations				AC adaptor & cord, USB cable, documentations. 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)			

* Not suitable for RFID tags

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