DATASHEET

P-touch EDGE Industrial Handheld Label Printers

The Right Tool for the Job

Product SKUs

(PT-E310BTVP) (PT-E510VP) (PTE560BTVP)
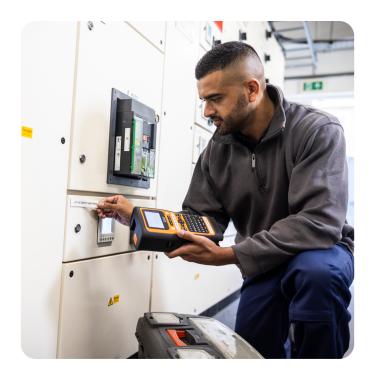
**P-TOUCH EDGE INDUSTRIAL
HANDHELD LABEL PRINTERS**

The Right Tool for the Job

Get the job right the first time with the fully loaded and powerfully intuitive P-touch EDGE. Leverage databases[1] and apply them to industrial label applications, then opt to print strips of easy-to-apply labels with half-cuts. With durable, laminated labels and a comfortable strap to help prevent drops, P-touch EDGE is built to tackle your tough labeling jobs.

	Max Media Width	USB-C	Bluetooth	Cutter	Database	Barcodes	Battery Charge Time	Drop Protection
PT-E310BTVP	18mm	✓	✓	Manual Cut / Pause	✓	QR & 1D	3 hours[4]	Wrist strap
PT-E510VP	24mm	✓		Automatic Dual Cutter	✓	QR & 1D	3 hours[4]	Hand strap
PT-E560BTVP	24mm	✓	✓	Automatic Dual Cutter	✓	QR & 1D	3 hours[4]	Hand strap

Key features

Reduce errors: Store databases[1] and templates in the printer to quickly and accurately create labels from existing work.

Work your way: Choose to design and print from your phone, computer or directly on the printer.

Save time & money: Get the job done fast with the dual auto-cutter with half-cut that makes peel-and-apply easy in select models.

Label it once: Tackle industrial jobs with durable laminated labels & heat shrink tubes designed to stay in place and options to print from 6mm to 24mm wide.

Boost drop-protection: Secure the printer with the ambidextrous hand strap with utility ring or wrist strap to help prevent accidental drops.

Learn more about the
P-touch EDGE Handheld
Industrial Printer Series

Industry applications

Fully loaded and powerfully intuitive, P-touch EDGE industrial label printers produce durable identification labels and more.

Low Voltage

- Cable wraps & flag labels
- Patch panel labeling
- Fiber cable labels
- Equipment, cabinet & rack labels
- Heat shrink tube
- Sequentially numbered connections

MRO

- Asset management labels
- Part number labels
- Tools/parts identification
- Component labels
- Calibration labels
- Wire marking

Electrical

- Wire wraps & flags
- Electrical panel labels
- Faceplates
- Heat shrink tube
- Terminal blocks & strips
- Sequentially numbered connections
- Grounding & bonding
- Outlet covers
- Ports
- Conduit & pipe marking

Laminated tapes
Print durable labels laminated during the printing process with options up to 24mm (0.94in) TZe standard, extra strength and Flex ID tapes and contractor pack HGe tapes.

Heat shrink tubes
With a 3:1 shrink ratio, HSe tubing can shrink to a third of its size when heat is applied, to pass over connectors and still shrink down to fit snug on the cable.

And more…
From SLe self-laminating tapes to STe stencil tapes, and even tamper-evident tapes, Brother offers a wide variety of specialty tapes for your application.

Find the right tape for your job

Get in contact

Brother Label Design Software and Apps[2]

P-touch Editor

Pro Label Tool

Mobile Transfer Express

	PT-E310BTVP	PT-E510VP	PTE560BTVP
Type of Printer	Industrial Wireless Handheld Label Printer	Industrial Handheld Label Printer	Industrial Wireless Handheld Label Printer
Print Width	0.62in (15.8mm)	0.71in (18mm)	
Lines per Label	Up to 5 Lines	Up to 7 Lines	
Media	HGe & TZe Tapes, HSe Heat Shrink Tube, STe Stencil	HGe & TZe Tapes, HSe Heat Shrink Tube, STe Stencil, SLe Self-Laminating	
Media Sizes (width)	3.5mm, 6mm, 9mm, 12mm, 18mm	3.5mm, 6mm, 9mm, 12mm, 18mm, 24mm	
Included Computer Software[2]	Windows® Printer Driver, P-touch Editor v6.x for Windows®, P-touch Editor v5.x for Windows® (with Cable Labeling Wizard), Transfer Manager v2.x for Windows®, Printer Setting Tool for Windows®, Transfer Express for Windows®, Update Software for Windows®, Driver Deployment Wizard for Windows®, Firmware Update Tool for Windows® & Mac®		
Memory	Download: Up to 99 Templates, Databases & Images (6MB) Standalone: Up to 99 Files (1,800 Characters / File)		
Operating Systems	Computer: Windows® 11/10 (32/64 bit) Mac® macOS 12.x or Later Mobile: Android™ 10 or Later, iOS® 16 or Later	Computer: Windows® 11/10 (32/64 bit) Mac® macOS 12.x or Later	Computer: Windows® 11/10 (32/64 bit) Mac® macOS 12.x or Later Mobile: Android™ 10 or Later, iOS® 16 or Later
Maximum Print Resolution	180x180 dpi (Standalone & Computer)	180x180 dpi (Standalone), 180x360dpi (Computer)	
Mobile Apps[2]	Pro Label Tool for Android™ & iOS® iLink&Label for Android™ & iOS® Mobile Transfer Express for Android™ & iOS® Print SDK Demo for Android™	None	Pro Label Tool for Android™ & iOS® iLink&Label for Android™ & iOS® Mobile Transfer Express for Android™ & iOS® Print SDK Demo for Android™
SDK Support	Windows®, Android™, iOS®	Windows®	Windows®, Android™, iOS®
Interfaces (Profile)	USB Type-C®, Bluetooth® Ver. 5.0 (SPP) / MFi (iAP)	USB Type-C®	USB Type-C®, Bluetooth® Ver. 5.0 (SPP) / MFi (iAP)
Display	128 x 56 Back-Lit Graphic LCD (15 Characters x 2 Lines)	240 x 120 Back-Lit Graphic LCD (17 Characters x 2 Lines) with Real Print Preview Feature	
Keyboard	QWERTY Layout with Rubber Keys		
Cutter	Manual Lever Cutter with Cut / Pause Feature	Automatic with Multi-Label Strip Half-Cutter	
Print Speed[3]	Up to 0.8ips (20mm/sec)	Up to 1.2ips (30mm/sec)[4]	
Function Keys	6 keys, 12 functions (General, Faceplate, Cable Wrap / Heat Shrink Tube / Barcode, Cable Flag / Serialize, Patch Panel / Terminal Strip / Advanced Serialization, Punch Block / Database)	10 keys, 13 functions (General, Faceplate, Cable Wrap / Heat Shrink Tube, Cable Flag, Patch Panel / Terminal Strip, Punch Block, Barcode, Serialize, Advanced Serialization, Database, Self-Laminate)	
Copy / Serialization	Up to 99 / 1-2 Fields Individually/Simultaneously (Alpha-Numeric)		
Resident Fonts	7 (Helsinki, Brussels, Los Angeles, Atlanta, Adams, Sofia, Letter Gothic)	14 (Helsinki, Brussels, US, Los Angeles, San Diego, Florida, Calgary, Belgium, Atlanta, Adams, Brunei, Sofia, Germany, Letter Gothic)	
Font Sizes / Styles	8 Sizes / 10 Styles (Standalone)	9 Sizes / 10 Styles (Standalone)	
Rotated Characters	Up to 16 Alpha-Numeric Characters (on 18mm Tape)	Up to 25 Alpha-Numeric Characters (on 24mm Tape)	
Invert, Mirror & Vertical Printing	Yes		

	PT-E310BTVP	PT-E510VP	PTE560BTVP
Resident Barcodes	1D (9): Code39, Code128, I-2/5 (ITF), UPC-A/E, EAN-8/13, GS1-128 (UCC/EAN-128), CODABAR (NW-7) 2D (2): QR Code, Data Matrix		
Symbol Library	477 (59 Voice / Data and Audio Visual, 109 Electrical, 104 Safety, 205 Misc.)		
Drop Prevention	Wrist Strap	Hand Strap (Left / Right)	
Product Dimensions / Weight	5.31in x 9.27in x 2.76in (135mm x 236mm x 70mm) / 1.73lbs. (0.8kg) without Tape Cassette & Battery	5.19in x 9.61in x 3.15in (132mm x 244mm x 80mm) / 2.31lbs. (1.1kg) without Tape Cassette & Battery	
Energy Efficiency	Energy Star Certified		
Power Supply	BA-E001 Li-ion Battery Pack (Standard), PA-AD-004 USB-C PD AC Adapter (Optional)		
Battery Charge Time	As fast as 3 hours[4]		
Operating Temperature / Humidity	50° F to 95° F (10° C to 35° C) / 20% to 80% Non-Condensing		
Box Contents	Protective Case, Wrist Strap, Li-ion Battery, USB-C Cable, Patch Panel Ruler, TZeFX241 Tape	Protective Case, Hand Strap, Li-ion Battery, USB-C Cable, Patch Panel Ruler, TZeFX251 Tape	
Warranty	2-Year Limited Exchange Warranty		

[1] A CSV database file is required for the database functionality in the printer and for the Pro Label Tool app. P-touch Editor for Windows is compatible with the following database file formats: txt, CSV, xls, xlsx, mdb and accdb.

[2] Additional download and wireless connection may be required. Compatibility may vary by device, operating system and label printer used.

[3] Based on performance tests using Brother certified media, actual results may vary by application.

[4] When using optional wall charger PA-AD-004.
All specifications subject to change without notice.

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