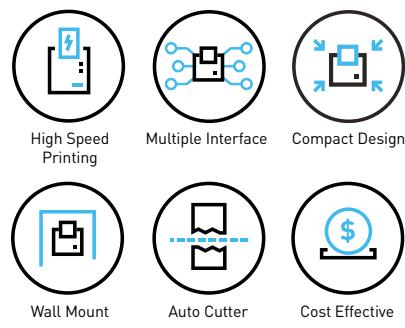


# FAST AND ACCURATE LABEL SOLUTIONS.



## Engineered for speed, precision, and dependable performance in high-volume labeling.

Power up your business with high-quality receipts and labels with Epson's dual-function thermal printers – TM-L90 series. Featuring blazing print speed of up to 170mm\* per second in high-speed mode, the TM-L90 series is designed and built with the reliability that Epson is trusted in. With the optional wall-mount kit, these compact printers work perfectly in space constraint environments.



ENGINEERED FOR good

### Superb Paper Handling

High-quality thermal printing at fast print speeds of up to 170mm per second, reliably producing crisp receipts and labels every time.

### Reliable Labelling Solution

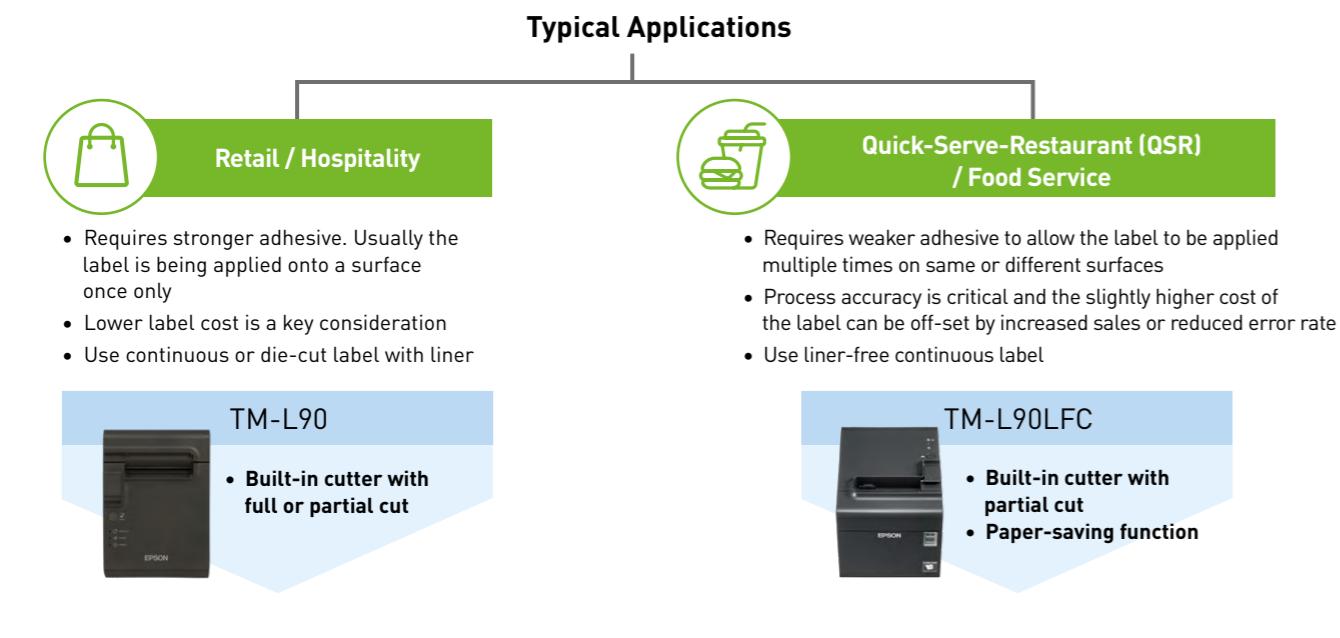
Enjoy the highest level of print quality and dependable reliability through consistent, error-free label printing.

### Designed for Sustainability

Paper-saving with advanced margin reduction options and minimum paper wastage to help lower costs and reduce environmental impact.



## Choosing the right printer for your business:



## Liner-free Series TM-L90LFC

### The ideal companion for QSRs & Food Services

Built to speed up order accuracy for QSRs and food services businesses, TM-L90LFC minimises time wastage on incorrect order fulfilment, hence enhancing the overall customer experience. Businesses can enjoy an increase in customer retention, positive reviews, and even potential growth in new customers with higher standards of customer service.

Engineered to be environmentally-friendly, TM-L90LFC does not use any liner labels, minimising wastage and helping businesses do their part in reducing their carbon footprint.



## Superb Paper Handling



### High-speed printing

Customers will not be kept waiting when you equip your business with the Epson TM-L90 series. With a maximum printing speed of 170mm/sec\*, your receipt or label will be ready in seconds – even when printing barcodes and logos.

### Large paper rolls

With an all-rounded paper-handling versatility, these label printers can process paper rolls of up to 102mm\*\* in diameter, reducing paper-loading downtime and saving on the cost of purchasing label paper.

### Selectable paper width

You don't have to buy another printer just to print on different size paper. With a simple spacer adjustment, users can modify the TM-L90 series to suit a variety of label types and sizes for both standard and adhesive-backed paper.

\* Applicable to L90LFC. For L90, maximum speed is 150mm/sec.

\*\*Applicable to L90LFC. For L90, maximum diameter is 90mm.

## Usability



## Superior Design



### Smaller footprint

A compact design makes the Epson TM-L90 series ideal for counters with limited space. Its low profile means that face-to-face contact with your customers is unimpeded, and there are no sharp corners or jutting out parts to get in the way.

### Cable management

The Epson TM-L90 series removes the problem of unsightly cables by having all its interfaces beneath the printer. With flexible installation options, you can now choose to keep the cables out of sight in your premises.

### Easy to site

These label printers blend perfectly into even the most refined environment. Install the printer vertically or horizontally, or use the optional wall-hanging bracket to move it off the counter altogether.

### Easy operation and maintenance

The printer is so easy to use that it requires almost no training. With simple and straight-forward paper feeding, the drop-in loading method allows operators to open and load new paper within a few short seconds.

### Reliable

There's nothing more annoying for you – and your customers – than paper jams. Not only are paper jams unlikely with the Epson TM-L90 series, but they are easy to clear if they do occur. With a long lifespan, your printer can print up to twenty million lines.

(MCBF: Seventy million lines when printing receipt)

### Flexibility

TM-L90 series can be easily integrated with existing POS application as it supports the same standard commands for the retail environment.

## SPECIFICATIONS

MODEL	TM-L90		TM-L90LFC	
SKU Code	C31C412412		C31C412681 / C31C412682	
<b>Printing Specifications</b>				
Print Method	Receipt	Thermal Line, 203 x 203 dpi		
Print Width	Label	Max. 72 mm (with 80 mm paper width)		
Print Speed	Thermal Paper (w/o BM)	Max. 150 mm/sec (Print density configurable. Max. 90 mm/sec for ladder barcode and two dimensional barcode printing)	Max. 72 mm (with 80 mm width liner-free label) Max. 170 mm/sec (Print density configurable)	
Print Font	Liner-Free Label (w/BM)	N/A	Max. 90 mm/sec (Print density fixed)	
Print Font	Font A (Default)	48 (12 x 24)		
	Characters per line (80 mm)			
	Font B	64 (9 x 17)		
	Characters per line (80 mm)			
Auto Scaling Feature	N/A			
Character Set	95 alphanumeric, 18 international character sets, extended graphics 128 x 47 pages (including user-defined page)	Default: On 95 alphanumeric, 37 international character sets, extended graphics 128 x 11 pages (including user-defined page)		
Barcode	UPC-A, UPC-E, JAN8 (EAN), Jan13 (EAN), ITF, Code39, Code93, Code128, Codabar (NW-7), PDF417, MaxiCode, QRCode, GS1-128, GS1 DataBar, Omnidirectional, GS1 DataBar Truncated / Stacked / Stacked Omnidirectional / Limited / Expanded / Expanded Stacked, Composite Symbology, DataMatrix	UPC-A, UPC-E, JAN8 (EAN), Jan13 (EAN), ITF, Code39, Code93, Code128, Codabar (NW-7), PDF417, MaxiCode, QRCode		
Data Buffer	Receive buffer 4 Kb / 45 bytes			
<b>Paper Specifications</b>				
Paper Saving	Back Feed	Yes (When operating using EDC/POS commands only)	Yes	
	Paper Saving	N.A.	Yes	
Roll Paper	Paper Width	80 mm (factory setting) or 38 – 70 mm (Users can change the paper width per 1 mm)	80 / 58 / 40 mm	
	Diameter	90 mm	102 mm	
	Changing Method			
	Paper Type	Receipt w/o BM Receipt w/BM Die-cut label w/o BM Die-cut label w/BM Continuous label w/o BM Continuous label w/BM	Receipt w/o BM Liner-free label w/BM	
<b>Operating Specifications</b>				
Paper Detection	Auto Width	N.A.	Yes	
	Auto Paper Type	N.A.	Thermal Receipt Paper: w/o BM Liner-free label: w/BM	
Auto Cutter	Cut Type	Full cut (factory default) or Partial cut	Partial cut (Cutting with one point in left edge left uncut)	
D.K.D. Function		2 drivers		
Printer Interface		Built in USB + Serial	Optional USB + LAN/ Serial	
Factory Options		Paper roll spacer, Wall-hanging bracket WH-10		
<b>Software Specifications</b>				
Operating System	Windows 10 / 8.1 / 8 / 7 SP1 / Vista SP2 / XP Sp3 (32bit) / Server 2019 (64bit) / Server 2016 (64bit) / Server 2012 R2 / Server 2012 / Server 2008 R2 SP1 / Server 2008 SP2 / Server 2003 R2 SP2 / Embedded Standard 7 / Embedded POS Ready 7	Windows 10 / 8.1 / 8 / 7 SP1 / Vista SP2 / XP Sp3 (32bit) / Server 2019 / Server 2016 / Server 2012 / Server 2012 R2 / Server 2008 R2 SP1 / Server 2008 SP2 / Server 2003 R2 SP2 / Embedded Standard 7 / Embedded Standard 2009 / Embedded POS Ready 7 / Embedded POS Ready 2009 / Embedded for Point of Service / Embedded Enterprise / XP Embedded SP2		
Driver Utility	APD / OPOS ADK / OPOS for .NET / JavaPOS ADK	APD / OPOS ADK / OPOS for .NET / JavaPOS ADK / Epson ePOS SDK for JavaScript (models equipped with UB-E04 only) / Memory Setting Utility		
<b>Product Specifications</b>				
Reliability	Printer Life	Receipt: 20 million lines / Up to 120km (on 75 µm paper) Label: 1 million / Up to 30 - 70km	Thermal receipt paper: 20 million lines Liner-free label: 10 million lines	
	Head Life	Thermal receipt paper: 150 million pulse	Thermal receipt paper: 150 million pulse, 150km Liner-free label: 75 million pulse, 75km	
	Auto Cutter Life	Thermal receipt paper: 2 million cuts (on 75 µm or less paper) Label: 1 million cuts (cut on liner)	Thermal receipt paper: 2 million cuts Liner-free label: 1 million cuts (cutting percentage of glued part: 50%)	
	MCBF / MTBF	MTBF: 360,000 hours MCBF: 70 million lines	MTBF: 360,000 hours MCBF: 70 million lines (Thermal receipt paper) / 35 million lines (Liner-free label)	
<b>Electrical Specifications</b>				
Power Supply	External Power Adaptor	PS-190 (included)		
	Operating Voltage	DC 24 V ±7%		
Power Consumption	Operating	Approx. 1.8 A (mean)		
	Standby	Avg.: Approx. 0.1 A (maximum 1 A for drawer kick driving)		
<b>Product Packaging</b>				
Weight & Dimension	Size (H x W x D)	203 x 140 x 148 mm		
	Weight	Approx. 1.9 kg		

### Dimensions & Weight

#### TM-L90

Approx. 1.9kg



#### TM-L90LFC

Approx. 1.9kg



### Legend

dpi dots per 25.4 mm (dots per inch)

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Dealer's Stamp

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