LABEL PRINTERS
TM-L90/TM-L90 PEELER/TM-L90LFC

EPSON
EXCEED YOUR VISION

FAST AND ACCURATE LABEL SOLUTIONS.

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.

Wall Mount	Compact	Print	Auto Cutter	Cost Effective

TM-L90   TM-L90 PEELER   TM-L90LFC

IT'S IN THE DETAILS.

Superb Paper Handling
High-quality thermal printing at print speeds of up to 170mm per second*.

Reliable Labelling Solution
Enjoy the highest level of print quality and reliability through error-free label printing.

Cost and Environmental Friendly
Paper-saving with margin reduction options and minimum paper wastage.

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*Applicable to TM-L90LFC. For TM-L90 & TM-L90 PEELER, maximum speed is 150mm/sec.

Choosing the right printer for your business:

Typical Applications:

Retail / Hospitality	• Requires stronger adhesive. Usually the label is being applied onto a surface once only • Lower label cost is a key consideration • Use continuous or die-cut label with liner	• Built-in cutter with full or partial cut	TM-L90
		• Built-in peeler function	TM-L90 PEELER
Quick-Serve-Restaurant (QSR) / Food Service	• Requires weaker adhesive to allow the label to be applied multiple times on same or different surfaces • Process accuracy is critical and the slightly higher cost of the label can be off-set by increased sales or reduced error rate • Use liner-free continuous label	• Built-in cutter with partial cut • Paper-saving function	TM-L90LFC

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.

Reduce Wastage
Improved Order Accuracy
Hassle-Free Operation

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.

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.

Usability

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.
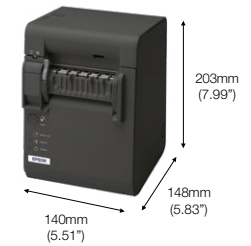
SPECIFICATIONS
TM-L90/TM-L90 PEELER/TM-L90LFC

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MODEL		TM-L90		TM-L90 PEELER	TM-L90LFC			
SKU CODE		C31C412402	C31C412412	C31C412393	C31C412665	C31C412668	C31C412681	C31C412682
Printing Specifications								
Print Method		Thermal ine, 203 x 203 dpi						
Print Width	Receipt	Max. 72 mm (with 80 mm paper width)						
	Label	Max. 70 mm (with 80 mm liner width)			Max. 72 mm (with 80 mm width liner-free label)			
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. 170 mm/sec (Print density configurable)			
	Liner-Free Label (w/BM)	N/A			Max. 90 mm/sec (Print density fixed)			
Print Font	Font A (Default) Characters per line (80 mm)	48 (12 x 24)			T88 compatible mode (1): 42 (13 x 24), bold T88 compatible mode (2): 44 (13 x 24), bold L90 compatible mode: 48 (12 x 24)			
	Font B Characters per line (80 mm)	64 (9 x 17)			T88 compatible mode (1): 55 (10 x 17) T88 compatible mode (2): 57 (10 x 17) L90 compatible mode: 64 (9 x 17)			
	Auto Scaling Feature	N/A			Default: On			
	Character Set	95 alphanumeric, 18 international character sets, extended graphics 128 x 47 pages (including user-defined page)			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						
Paper Specifications								
Paper Saving	Back Feed	Yes (When operating using EDC/POS commands only)			N.A.	Yes		
	Paper Saving	N.A			Yes	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 guide						
	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 Receipt w/BM Die-cut label w/o BM Die-cut label w/BM	Receipt w/o BM Liner-free label w/BM			
Operating Specifications								
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		N.A.	Partial cut (Cutting with one point in left edge left uncut)			
D.K.D. Function		2 drivers						
Printer Interface		Built-in USB 2.0 + RS232		Built-in USB 2.0 + LAN	Built-in USB 2.0 + RS232	Built-in USB 2.0 + LAN		Built-in USB 2.0 + RS232
Factory Options		Paper roll spacer, Wall-hanging bracket WH-10						
Software Specifications								
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 / Embeded Standard 7 / Embeded 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 / Embeded Standard 7 / Embeded Standard 2009 / Embeded POS Ready 7 / Embeded POS Ready 2009 / Embeded for Point of Service / Embeded Enterprise / XP Embeded 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			
Product Specifications								
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)		N.A.	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)			
Safety Standard	Environment Standards	WEEE, RoHS compliant						
	EMI Standards	Europe: CE Marking N. America: FCC Class A, CAN ICES-3 (A)/NMB-3 (A) Oceania: Radiocommunications (Electromagnetic Compatibility) Standard, Class A = AS/NZS CISPR32 Class A EAC: Russia / Belarus / Kazakhstan / Ukraine / Morocco			Europe: CE Marking N. America: FCC Class A, CAN ICES-3 (A)/NMB-3 (A) Oceania: Radiocommunications (Electromagnetic Compatibility) Standard, Class A = AS/NZS CISPR32 Class A			
	Safety Standards	UL, CSA, TUV (EN60950-1)						
Electrical Specifications								
Power Supply	External Power Adaptor	PS-180 (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)						
Product Packaging								
Weight & Dimension	Size (H x W x D)	203 x 140 x 148 mm						
	Weight	Approx. 1.9 kg						
	Energy Star	No			Yes			

TM-L90
Dimension & Weight:
Approx. 1.9kg (4.19lbs)

203mm (7.99")
148mm (5.83")
140mm (5.51")

TM-L90 PEELER
Dimension & Weight:
Approx. 1.9kg (4.19lbs)

203mm (7.99")
148mm (5.83")
140mm (5.51")

TM-L90LFC
Dimension & Weight:
Approx. 1.9kg (4.19lbs)

203mm (7.99")
148mm (5.83")
140mm (5.51")

Dealer's Stamp

Information correct at time of printing Printed April 2020.