



TM-L90II Liner-Free Compatible Thermal Label Printer

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Versatile liner-free compatible label printer for operational efficiency.

The flexible TM-L90II Liner-Free Compatible (LFC) thermal label printer features fast, efficient operation. With a convenient label-taken sensor, it accepts multiple jobs but prints only one label at a time, preventing newly printed labels from adhering to one another. It also features back-feed functionality, enabling the printer to print closer to the top of the label for more efficient media use. Plus, with white-space and character-height reduction, the TM-L90II LFC helps to reduce paper usage up to 47 percent¹. This versatile printer offers liner-free label printing, the perfect tool for improving order accuracy, as well as receipt printing. And it supports printing from smartphones and tablets.

Overview



- **Label-taken sensor** — accepts multiple jobs but only prints one label at a time; prevents continuous printing and labels adhering to each other
- **Back-feed capability** — retracts labels so it can print closer to the top for more efficient media use
- **Advanced paper-saving features** — white-space and character-height reduction help reduce paper usage up to 47 percent¹
- **Ready-to-use labels** — help improve order accuracy and customer satisfaction
- **Flexible** — one printer for both liner-free labeling and receipt printing
- **mPOS friendly** — supports printing from smartphones and tablets
- **Convenient** — dual interfaces, including built-in USB for flexible connectivity
- **Fast print speeds** — up to 170 mm/sec
- **Versatile** — 40, 58 and 80 mm print width support options
- **Efficient** — automatically detects media type and width

What's In The Box:

- TM-L90II LFC thermal label printer
- User Guide
- Guides for 40 mm and 58 mm paper
- Power supply with AC cable

Specifications

Print Other:

Printing Technology:

Thermal line printing

Print Resolution:

203 x 203 dpi

Print Speed:

170 mm/sec (thermal receipt); 90 mm/sec (label media)

General:

Dimensions:

5.5" x 7.9" x 5.8" (140 mm x 203 mm x 148 mm)

Weight:

Approx. 4.19 lbs (1.9 kg)

Safety Approvals:

- Environmental standards: WEEE, RoHS compliant
- EMI standards: FCC/ICES-003 Class A, CE marking, AS/NZS CISPR22 Class A
- Safety standards: UL, CSA, TUV (EN60950)

Case Color:

Epson Dark Gray

Warranty:

1-year standard limited warranty

Print Fonts:

Print Fonts:

- Font (A/B)
- 40 mm: 12 x 24, 7 x 17/9 x 17, 7 x 17
- 58 mm: 13 x 24, 10 x 24/10 x 17, 7 x 17
- 80 mm: TM-T88 compatible mode 13 x 24, 10 x 17; TM-L90 compatible mode 12 x 24, 9 x 17

Column Capacity:

64/48 columns

Character Size:

1.13 mm x 2.13 mm and 1.5 mm x 3.0 mm

Character Set:

95 Alphanumeric, 37 International, 128 x 11 Graphic

Barcode:

UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), ITF, Code 39/93/128, CODABAR, QR-CODE, MaxiCode, PDF417

Media Handling:

Tested Media:

Visit www.epson.com/lfctestedmedia for a complete list.³

Width:

40 mm, 58 mm, 80 mm

Thickness:

2 mil to 8 mil, depending on media

Roll Diameter:

4" (102 mm)

Auto Cutter:

Autocutter: 2 million cuts (receipts), 1 million cuts (labels)²

Connectivity:

Standard Connectivity:

Built-in USB interface + another selection; Serial RS-232c, Ethernet, Wireless (USB dongle)

POS Details:

Reliability:

- MTBF: 360,000 hours²
- MCBF: 70 million lines (receipts), 35 million lines (labels)²

Data Buffer:

4K or 45 bytes

D.K.D.:

2 drawers

Options:

PS-180 AC adaptor, paper roll spacer, wall-hanging bracket WH-10

Power:

Power Consumption:

Approx. 1.7A (mean)

Power Source:
24 VDC±7%

Service Plans

Service Plans:



We know protecting your investment is important. Epson Preferred Plus Extended Service Plans offer peace of mind beyond the device’s limited warranty and help keep you up and running — because we understand there’s simply no time for downtime.

	SKU	Price
5-Year Epson Preferred Plus Spare-in-the-Air Extended Service Plan	EPPSDSITAA5	
4-Year Epson Preferred Plus Spare-in-the-Air Extended Service Plan	EPPSDSITAA4	
4-Year Epson Preferred Plus Return for Repair Extended Service Plan	EPPSDEXTA4	
3-Year Epson Preferred Plus Spare-in-the-Air Extended Service Plan	EPPSDSITAA3	

3-Year Epson Preferred Plus
Return for Repair Extended
Service Plan

EPPSDEXTA3

2-Year Epson Preferred Plus
Spare-in-the-Air Extended Service
Plan

EPPSDSITAA2

2-Year Epson Preferred Plus
Return for Repair Extended
Service Plan

EPPSDEXTA2

1-Year Epson Preferred Plus
Spare-in-the-Air Extended Service
Plan

EPPSDSITAA1

1-Year Epson Preferred Plus
Return for Repair Extended
Service Plan

EPPSDEXTA1

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