

Epson TM-L100 Liner-Free Compatible Thermal Label Printer



Thermal Label Printer

POS

Liner-free media support, advanced tablet-friendly connectivity and online ordering.

Extensive liner-free media support — Epson Tested Media¹ supports high adhesive strength and is ideal for a wide variety of use cases across hospitality, retail and more

Flexible connectivity — for virtually any environment with built-in USB and Ethernet; plus Serial port

Reliability you can count on — engineered for liner-free labels with long auto cutter and printhead life²

Online ordering ready — Server Direct Print³ lets printer retrieve orders from a Web server and print a label without POS software integration

Advanced paper-saving features — white space reduction and character height reduction help reduce media usage up to 47 percent⁴

Label-taken sensor — accepts multiple jobs but only prints one label at a time; prevents continuous printing and labels adhering to each other

Dynamic printing — simultaneously share between legacy POS terminals, tablets and mobile devices with multiple interfaces with the ability to print from cloud servers

Print

Print Method Thermal line printing
Print Speed Max. 170 mm/sec (receipt and liner-free label media)
Print Resolution 203 x 203 dpi

Media Handling

Media Widths 80 mm: 79.5 ± 0.5 mm (3.13 ± 0.02")
 58 mm (default): 57.5 ± 0.5 mm (2.26 ± 0.02")
 40 mm (liner-free label media only): 39.5 ± 0.5 mm (1.56 ± 0.02")
Roll Diameter (Max.) 102 mm (4.02")
Core Diameter (Min.) Thermal receipt media: 18 mm (0.71");
 liner-free label media: 31.8 mm (1.25")
Paper Sensors Taken sensor and near-end sensor
Paper Back Feed Yes

Print Fonts

Character Structure (Standard Column Mode)
 ANK Font A (default): 12 x 24 dots
 ANK Font B: 9 x 17 dots
 Kanji Font A: 24 x 24 dots
 Kanji Font B: 20 x 24 dots (Japanese); 16 x 16 dots (Korean)
 Special Font A: 12 x 24 dots
 Special Font B: 9 x 24 dots

Characters per Line (Column Capacity)
 80 mm Width Media: ANK Font A (default), 42/48; ANK Font B, 55/64
 58 mm Width Media: ANK Font A, 35; ANK Font B, 46
 40 mm Width Media: ANK Font A, 23; ANK Font B, 31

Character Sets
 95 alphanumeric characters, 18 international sets, 128 x 43 pages extended graphics, Japanese (JIS X0208-1990, JIS X0213, 845 special characters), Simplified Chinese (GB18030-2000), Traditional Chinese (Big5), Korean (KS C5601)

Barcodes
 UPC-A, UPC-E, JAN13/EAN13, JAN8/EAN8, CODE93, CODE128, GS1-128, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded, CODE39, ITF, CODABAR, PDF417, QR Code

Connectivity

Interface USB Type-B, Ethernet (10/100 Base-T/TX), Serial

Reliability

Printer Reliability² 20 million lines printed (receipt), 10 million lines printed (liner-free label)
Thermal Head 150 km (receipt), 75 km (liner-free label)
Autocutter 2 million cuts (receipt), 1 million cuts (liner-free label)
MTBF 360,000 hours
MCBF 70 million lines printed (receipt), 35 million lines printed (liner-free label)

General

Audible Alert Built-in buzzer, optional external buzzer
D.K.D. Function Yes
Power Supply Adapter (PS-190)
Power-Saving Mode Yes
Internal Memory
 Receive Buffer 4 KB
 Downloaded Character Area 12 KB (shared)
 Macro Area 2 KB
 NV Graphics Area 384 KB
 Download Graphics Area 208 KB
 NV Bit Image Memory 1 KB
Operating Environment
 Relative Humidity 10-90%
 Temperature 5 °C to 45 °C (41°F to 113°F)
Standards and Approvals Standards and Approvals FCC Class A, ICES-3 Class A
Dimensions (W x D x H) 140.0 x 148.5 x 207.0 mm
Weight 1.9 kg
Color EBCK (Epson Black)

Software and Utilities

Development Kit Epson ePOS™ SDK (iOS®, Android™, JavaScript), OPOS ADK/OPOS ADK for .NET (Windows®), Epson JavaPOS ADK (Windows, Linux®), TM Print Assistant (iOS, Android)
Drivers Epson Advanced Printer Driver 6 for TM-L100 (APD), TM Virtual Port Driver
Supported Operating Systems iOS, Android, Windows, GNU (Linux)
Easy Setting Tool TM Utility (iOS, Android), TM-L100 Utility (Windows), Epson TM Bluetooth Connector
Printer Discovery NFC (Near Field Communication³), Simple AP (wireless network)

Eco Features

Power-Saving Mode
 RoHS compliant

What's in the Box

Epson TM-L100 Printer, AC Adapter, Rubber Feet, Fixing Tape, Locking Wire Saddle, 40 mm Paper Guide, 58 mm Paper Guide (installed), Setup Guide

Warranty

Standard 1 year warranty; with optional extended service plans available

Ordering Information

TM-L100

C31CJ52301



TM-L100 Connectivity

1 Proper use of tested media is consistent with the printer warranty, but damage from use of non-tested media is not covered by the printer warranty. Epson's statements about tested media are not warranties of the media, tested or otherwise, and tested media are not Epson products or warranted by Epson. See www.epson.com/testedmedia for more information on Tested Media. | 2 Rated printhead and cutter lives are only estimates based on normal use of the printer with the following media only, with printer operated at room temperature and normal humidity: Model TF50KS-EY: NIPPON Paper Industries Co., Model 150PLS-LST: Ricoh Co., Ltd., Model HTFC14, Documotion Research, Inc., Models 9023-1274, 9023-1253, 9023-1823, 9023-1397, 9023-1275, 9023 1257: Iconex LLC, Ltd. Epson's statements about reliability levels are not warranties of the media or Epson's printers, and the only warranties for printers are the limited warranty statements for each printer. See www.epson.com/testedmedia for more information on Tested Media. | 3 Requires network-connected printer. | 4 Paper savings depend on the text and graphics printed on the receipt.