

Epson® OmniLink® 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 options for Serial port, wireless and Bluetooth[®]

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

Smart connectivity — provides data communication and charging to a mobile device through a single USB cable⁵ (Ethernet and Bluetooth models only; cable not included)

USB Network Tethering⁶ — provides network connectivity from the printer to a tablet

POS peripheral support — including barcode scanners, Epson displays and more

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 (serial model) USB Type-B, Ethernet (10/100 Base-T/TX), Serial
Interface (device charging model) USB Type-B, Ethernet (10/100 Base-T/TX), USB Type-A (2.1 A), USB Type-A (0.5 A) x2, plus wireless option (USB wireless dongle)
Interface (Bluetooth model) USB Type-B, Ethernet (10/100 Base-T/TX), USB Type-A (2.1A), USB Type-A (0.5A) x2, Bluetooth 3.0+EDR, plus wireless option (USB wireless dongle)
USB Network Tethering⁶ Yes (select SKUs)
Smart Device Charging Yes (2.1 A) (select SKUs)
USB POS Peripheral Device Support 2 (select SKUs)

Reliability²

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) 5.51" x 5.85" x 8.15" (140.0 x 148.5 x 207.0 mm)
Weight 3.53 lb (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
 Recyclable product⁸
 Epson America, Inc. is a SmartWay[®] Transport Partner⁹

What's in the Box*

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

*Contents vary by individual SKU.

Warranty

1-year limited warranty; optional extended warranty available

Ordering Information**

Model Number	Part Number	Interfaces
TM-L100	Serial	C31CJ52001
TM-L100	USB Type-A 2.1 A Port	C31CJ52011
TM-L100	USB Type-A 2.1 A Port + Wireless	C31CJ52A9991
TM-L100	USB Type-A 2.1 A Port + Bluetooth	C31CJ52021

Accessories

Accessories	Part Number
Wall Mounting Brackets	OT-WH30
External Buzzer	OT-BZ20
Customer Display	DM-D30
Customer Display	DM-D70
Wireless USB Adapter	OT-WL06

For additional connectivity options please contact your Epson representative.

Epson PreferredSM Plus Extended Service Plans

1-Year Return for Repair	EPPSDEXTA1
2-Year Return for Repair	EPPSDEXTA2
3-Year Return for Repair	EPPSDEXTA3
4-Year Return for Repair	EPPSDEXTA4
1-Year Renewal Return for Repair	EPPSDEXTA1S
1-Year SITA Coverage	EPPSDSITAA1
2-Year SITA Coverage	EPPSDSITAA2
3-Year SITA Coverage	EPPSDSITAA3
4-Year SITA Coverage	EPPSDSITAA4
5-Year SITA Coverage	EPPSDSITAA5
1-Year Renewal SITA Coverage	EPPSDSITAA1S

**All models have built-in USB Type-B and Ethernet interfaces.



TM-L100 Serial Model



TM-L100 Device Charging and Bluetooth Models

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. | ⁵ Feature available for iOS devices and Android devices running Android 10 or later. | ⁶ Only works with iOS devices. | ⁷ NFC requires use of a device that includes NFC and may require additional software. | ⁸ For convenient and reasonable recycling options, visit www.epson.com/recycle | ⁹ SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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