

# 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 Media<sup>1</sup> 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 life<sup>2</sup>

**Online ordering ready** — Server Direct Print<sup>3</sup> 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 percent<sup>4</sup>

**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 cable<sup>5</sup> (Ethernet and Bluetooth models only; cable not included)

**USB Network Tethering<sup>6</sup>** — 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 (2.1 A), USB Type-A (0.5 A) x2, Bluetooth 3.0+EDR, plus wireless option (USB wireless dongle)

**USB Network Tethering** Yes (select SKUs)

**Smart Device Charging** Yes (2.1 A) (select SKUs)

**USB POS Peripheral Device Support** 2 (select SKUs)

## Reliability<sup>2</sup>

**Printer Reliability<sup>2</sup>** 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 Communication®), Simple AP (wireless network)

## Eco Features

Power-Saving Mode

RoHS compliant

Recyclable product<sup>8</sup>

Epson America, Inc. is a SmartWay® Transport Partner<sup>9</sup>

## 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 Preferred<sup>SM</sup> 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](http://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](http://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](http://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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