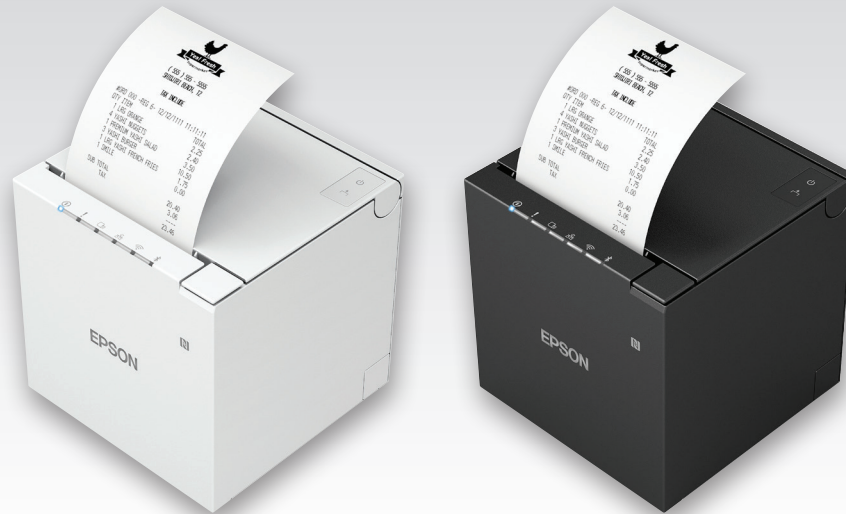


# OmniLink<sup>®</sup> TM-m50II-H POS Thermal Receipt Printer



Receipt Printer

POS

## Fast, compact and modern receipt printer with advanced connectivity.

**Modern and compact design** — sleek 3" thermal receipt printer; small size; supports both front and top paper exits; standard near-end sensor

**Designed for traditional PC-POS and mPOS systems** — supports both legacy and new connectivity interfaces

**Engineered for reliability** — long-lasting printhead (200 km) and auto cutter (2.2 million cuts)<sup>1</sup>

**World-class service and support** — 4-year limited warranty; Epson Preferred<sup>SM</sup> Plus Extended Service Plans available for up to a total of 5 years of continuous coverage

**Ultra fast receipt printing** — print speeds up to 500 mm/sec<sup>2</sup>

**Versatile connectivity** — built-in interfaces; USB-A, USB-B, USB-C and Ethernet; optional dual Wi-Fi<sup>®</sup>/Bluetooth<sup>®</sup> interface available

**POS hub capability** — connect up to four USB POS peripherals; Sync & Charge feature can deliver up to 18 W of power to a mobile device

**Fast, stable network tethering** — wired network communication with iOS<sup>®</sup> or Android<sup>™</sup> mobile device, at up to 20 Mbps<sup>3</sup>

**Ready for cloud printing and online ordering** — Server Direct Print available to retrieve print jobs directly from the cloud<sup>4</sup>

**Paper-saving functions** — reduce paper usage by up to 49 percent<sup>5</sup>

**Enhanced enclosure** — IPX2-rated enclosure is water-resistant; antimicrobial and easy to clean

**Print**

**Print Method** Thermal  
**Print Speed**<sup>2</sup> 500 mm/sec  
**Print Resolution** 180 dpi  
**Print Direction** Vertical and horizontal

**Print Fonts**

**Fonts/Column Capacity** Font A: 12 x 24, 42 cpl (default); Font B: 9 x 24, 56 cpl; Kanji Font A: 24 x 24, 24 cpl; Kanji Font B: 16 x 16, 32 cpl (Korean)  
**Character Size** Font A: 1.41 mm x 3.39 mm; Font B: 0.99 mm x 3.39 mm; Kanji Font A: 3.39 mm x 3.39 mm; Kanji Font B: 2.26 mm x 2.26 mm  
**Character Set** 95 Alphanumeric, 18 International, 128 x 43 Graphic, Japanese (11,233 characters of JIS X0213:2004, 1 special character), Simplified Chinese (28,553 characters of GB18030-2000), Traditional Chinese (13,535 characters of Big5), Korean (8,224 characters of KSC5601)  
**Barcode** UPC-A, UPC-E, JAN8/EAN8, JAN13/EAN13, Code39, Code93, Code128, ITF, CODABAR (NW-7), GS1-128, GS1 DataBar, Code 128 Auto  
**Two-Dimensional Symbol Printing** PDF417, QR Code, MaxiCode, DataMatrix, Aztec Code, Two-Dimensional GS1 DataBar, Composite Symbology

**Media Handling**

**Media Dimensions**  
80 mm: 79.5 ± 0.5 x 83 mm  
3.13" ± 0.02" (width) x 3.27" (roll diameter)  
58 mm: 57.5 ± 0.5 x 83 mm  
2.26" ± 0.02" (width) x 3.27" (roll diameter)  
**Thickness** 48 µm – 80 µm  
**Type** Thermal roll paper  
**Paper Feed Method** Friction feed  
**Paper Back Feed** Yes  
**Width** 3.12"/79.5 mm  
**Paper Loading** Drop-in  
**Roll Diameter (Maximum)** 3.27"/83 mm  
**Core Diameter (Minimum)** 0.71"/18 mm  
**Paper Guide** 80 mm (default), 58 mm spacer included  
**Auto Cutter** Partial cut (default) or full cut

**Connectivity**

**Interface**  
USB Type-C PD port (USB 2.0, HS/FS/LS, 18 W device charging)  
USB Type-B (USB 2.0 FS)  
Ethernet (10/100Base-T/TX)  
Wi-Fi (802.11 a/b/g/n/ac)  
Bluetooth (5.0 dual mode)  
USB Type-C peripheral device port x 1  
USB Type-A peripheral device port x 2  
**Supported Operating Systems** iOS, Android, Windows®, Mac® OS X®, GNU (Linux®)  
**Easy Setting Function** NFC<sup>6</sup>, QR code, Simple AP (Wi-Fi + Bluetooth model only)  
**Easy Setting Tool** TM Utility (iOS, Android), TM-m50II-H Utility (Windows), EpsonNet Config, TM Bluetooth Connector

**Reliability**<sup>1</sup>

**Printer Reliability** 20 million printing lines  
MTBF 360,000 hours  
MCBF 70,000,000 lines  
**Auto Cutter Reliability** 2.2 million cuts

**General**

**Paper Exit and Loading** Top or Front  
**Spill Resistance** IPX2 rated (front exit only)  
**NV Bit Image Memory** 12KB (maximum)  
**NV Graphics** 384KB (maximum)  
**Receive Buffer** 4KB or 45bytes  
**Development Kit** Epson® ePOS™ SDK (iOS, Android, JavaScript™), TM Print Assistant (iOS, Android), OPOS ADK/OPOS ADK for .NET (Windows), JavaPOS ADK (Windows, Linux)  
**Drivers** Epson Advanced Printer Driver (APD), TM Virtual Port Driver, Mac Printer Driver, CUPS Driver  
**Software** TM Utility (iOS, Android), TM-m50II-H Utility (Windows Desktop), EpsonNet Config (Windows, Mac), TM Bluetooth Connector, Deployment Tool, Monitoring Tool, Epson Firmware Updater  
**Audible Alert** Optional External Buzzer (OT-BZ20)  
**LED Indicators** Power, Error, Paper, Ethernet, Wi-Fi (built-in), Bluetooth  
**Sensors** Paper End, Cover Open, Near-End Sensor  
**D.K.D. Function** Yes  
**Power Consumption** Operating 39.1 W, Standby 1.6 W (AC 115 V/60 Hz)  
**Power Supply** Adapter T  
**Power Saving** Yes  
**Temperature** 5 °C to 45 °C  
**Relative Humidity** 10% – 90%  
**Acoustic Noise Level** 55 dBA  
**Standards and Approvals** EMI FCC Class A, ICES-003 Class A Safety Standard UL62368-1/CSA C22.2 No.62368-1  
**Dimensions (W x D x H)** 5" x 5" x 5", 127 mm x 128 mm x 129 mm  
**Weight** 2.87 lb/1,300 g  
**Color** ENB9 (Epson White), EBCK (Epson Black)  
**Cash Drawer Kick** Yes  
**Cloud Printing Ready**<sup>4</sup> Yes - Via Server Direct Print technology  
**USB-Network-Tethering** Up to 20 Mbps. Supports iOS, Android and Windows  
**Smart Device Charging** Sync & Charge up to 18 W via USB-C "PD" port  
**USB POS Peripheral Device Support** Up to 4

**Eco Features**

Power-Saving Mode  
RoHS compliant  
Recyclable product<sup>7</sup>  
Epson America, Inc. is a SmartWay® Transport Partner<sup>8</sup>

**What's in the Box**

OmniLink TM-m50II-H, Power Supply PS-190 with AC Cable, Starter Receipt Paper Roll, Setup Guide, 58 mm Roll Paper Guide

**Warranty**

4-year limited warranty; optional extended warranty available

**Epson Preferred Plus Extended Service Plans<sup>9</sup>**

|  |              |
|--|--------------|
| 1-Year Return for Repair               | EPPSDEXTA1   |
| 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 Extension | EPPSDSITAA1S |

**Ordering Information**

| Model Number                     | Color | Part Number |
|----------------------------------|-------|-------------|
| <b>Epson White</b><br>TM-m50II-H | ENB9  | C31CK52051  |
| <b>Epson Black</b><br>TM-m50II-H | EBCK  | C31CK52052  |

| Accessories                                 | Product Name |
|---|--------------|
| Wall Mounting Bracket (OT-WH30)             | C32C881017   |
| External Buzzer (OT-BZ20)                   | C32C890634   |
| Color Customer Display White (DM-D70 White) | A61CH62101   |
| Color Customer Display Black (DM-D70 Black) | A61CH62111   |
| Customer Display White (DM-D30 White)       | A61CF26101   |
| Customer Display Black (DM-D30 Black)       | A61CF26111   |
| Wireless USB Adapter (OT-WL06)              | C32C891321   |
| Proximity Beacon Adapter (BT-820)           | C32C824A8761 |



1 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 KT55FA: Papierfabrik August Koehler SE; Model PD160R: Oji Imaging Media Co., Ltd.; Model TF50KS-EY: NIPPON Paper Industries Co., 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. | 2 Speed based on using approved Epson media. For more information, please visit [www.epson.com/testedmedia](http://www.epson.com/testedmedia) | 3 The actual speed depends on a variety of conditions, including performance of the mobile device, operating system, number of applications running simultaneously and the conditions of other network devices such as switches or routers. | 4 Requires an Internet network connection. | 5 Paper savings depend on the text and graphics printed on the receipt. | 6 NFC tag requires use of a device that includes an NFC reader, and may require additional software. | 7 For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | 8 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | 9 See individual service plan for details.

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**Epson America, Inc.**  
3131 Katella Ave., Los Alamitos, CA 90720

**Epson Canada Limited**  
185 Renfrew Drive, Markham, Ontario L3R 6G3

**www.epson.com**  
**www.epson.ca**

Contact:



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