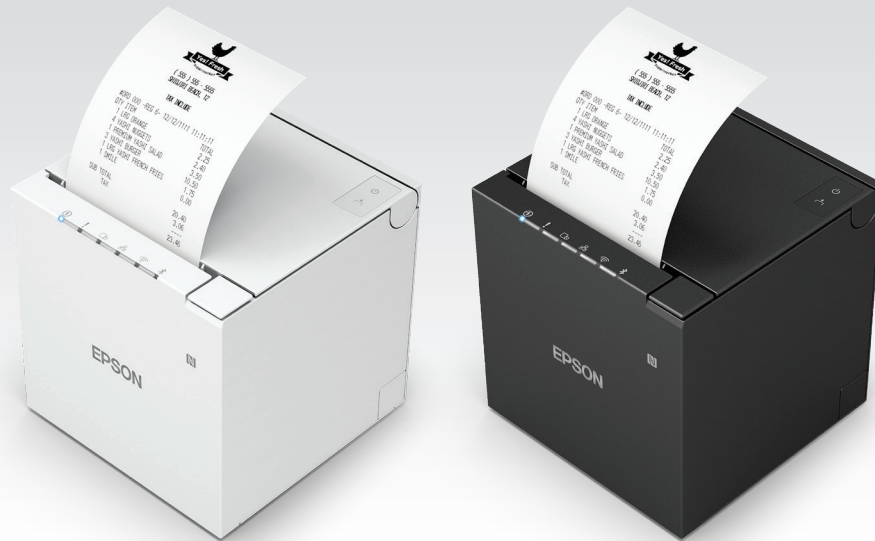


## TM-m50II POS Thermal Receipt Printer

Receipt Printer

POS



### Fast and compact receipt printer, ideal for high-volume use.

**Modern and compact design** — sleek 80mm 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** — 4-year limited warranty; long-lasting printhead (200 km) and auto cutter (2.2 million cuts)<sup>1</sup>

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

**Versatile connectivity** — built-in interfaces; serial, USB and Ethernet; optional Wi-Fi<sup>®</sup> adapter available

**Ready for cloud printing and online ordering** — Server Direct Print available to retrieve print jobs directly from the cloud<sup>3</sup>

**Paper-saving feature** — reduce paper usage by up to 49 percent<sup>4</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-B (USB 2.0 FS)  
 Ethernet (10/100Base-T/TX)  
 Serial (RS-232C)  
 USB Type-A peripheral device port x 1  
**Supported Operating Systems** iOS®, Android™, Windows®,  
 Mac® OS X®, GNU (Linux®)  
**Easy Setting Function** NFC<sup>5</sup>, QR code  
**Easy Setting Tool** TM Utility (iOS, Android), TM-m50II Utility  
 (Windows), EpsonNet Config



### 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 Utility (Windows  
 Desktop), EpsonNet Config (Windows, Mac), Deployment Tool,  
 Monitoring Tool, Epson Firmware Updater  
**Audible Alert** Optional External Buzzer (OT-BZ20)  
**LED Indicators** Power, Error, Paper, Ethernet  
**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** PS-190  
**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>3</sup> Via Server Direct Print technology  
**USB POS Peripheral Device Support** 1

### Eco Features

Power-Saving Mode  
 RoHS compliant

### What's in the Box

TM-m50II, 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 CoverPlus Extended Warranty

1-Year Extended Warranty 1YWM50II

### Ordering Information

Model Number	Color	Part Number
<b>Epson White</b> TM-m50II	ENB9	C31CK52201
<b>Epson Black</b> TM-m50II	EBCK	C31CK52202

Accessories	Product Name
Wall Mounting Bracket (OT-WH30)	C32C881017
External Buzzer (OT-BZ20)	C32C890634
Wireless USB Adapter (OT-WL06)	C32C891324

<sup>1</sup> Epson's statements about reliability levels are only estimates, based on normal use of the printer using tested media only. See [www.epson.com/testedmedia](http://www.epson.com/testedmedia) for more information on Tested Media. These reliability statements are not warranties of the media or Epson's printers, and the only warranties for printers are the limited warranty statements for each printer. <sup>2</sup> Speed based on using approved Epson media. For more information, please visit [www.epson.com/testedmedia](http://www.epson.com/testedmedia) | <sup>3</sup> Requires an Internet network connection. | <sup>4</sup> Paper savings depend on the text and graphics printed on the receipt. | <sup>5</sup> NFC tag requires use of a device that includes NFC reader, and may require additional software.

### Contact:

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 Level 2, 7-9 Fanshawe Street Auckland, 1010

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