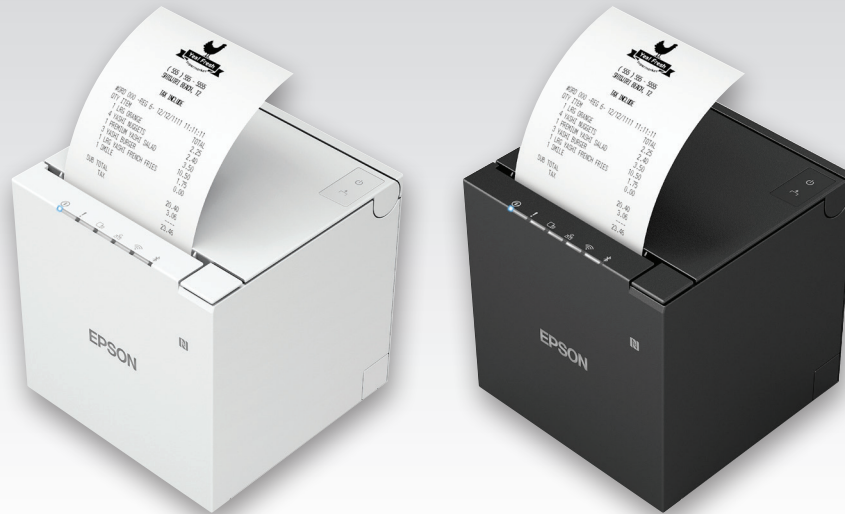


OmniLink® TM-m50II-H POS Thermal Receipt Printer



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)¹

World-class service and support — 4-year limited warranty; Epson PreferredSM 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/sec²

Versatile connectivity — built-in interfaces; USB-A, USB-B, USB-C and Ethernet; optional dual Wi-Fi®/Bluetooth® 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® or Android™ mobile device, at up to 20 Mbps³

Ready for cloud printing and online ordering — Server Direct Print available to retrieve print jobs directly from the cloud⁴

Paper-saving functions — reduce paper usage by up to 49 percent⁵

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

Print

Print Method Thermal
Print Speed² 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 NFC⁶, 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

Reliability¹

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 Ready⁴ 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 product⁷
Epson America, Inc. is a SmartWay® Transport Partner⁸

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 Plans⁹

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
Epson White TM-m50II-H	ENB9	C31CK52051
Epson Black 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 for more information on Tested Media. | 2 Speed based on using approved Epson media. For more information, please visit 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 | 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.

See the latest innovations from Epson Business Solutions at www.epson.com/forbusiness

Better Products for a Better Future™
eco.epson.com



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:



Specifications and terms are subject to change without notice. EPSON is a registered trademark, EPSON Exceed Your Vision is a registered logomark and Better Products for a Better Future is a trademark of Seiko Epson Corporation. OmniLink is a registered trademark, ePOS is a trademark and Epson Preferred is a service mark of Epson America, Inc. Mac and OS X are trademarks of Apple Inc., registered in the U.S. and other countries. Android is a trademark of Google LLC. Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and other countries. SmartWay is a registered trademark of the U.S. Environmental Protection Agency. Wi-Fi® is a registered trademark of Wi-Fi Alliance®. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks. Copyright 2023 Epson America, Inc. Com-SS-Oct-13 CPD-62922 1/23