EPSON

TM-P80II Series

80mm Wireless Portable Receipt Printers

Ultra fast, compact and rugged 80mm wireless portable receipt printer series.

Portable and lightweight — ultra compact, easy for users to wear (belt clip included); helps prevent carry fatigue

Robust design — IP54-rated enclosure is water- and dust-resistant; holds up to rigorous use, with a drop rating of up to 1.8 metres

Crisp, presentable receipts — auto cutter models and de-curler help improve printout appearance and handling, ensuring receipts with clean, smooth edges

Long-lasting battery life — up to 47 hours on a full charge[1] (battery and USB-C cable included)

Fast battery charging capability — fully charges as fast as 2.5 hours[2] (charger sold separately)

Exceptional print quality and ultra fast print speed — quickly produce sharp and crisp text, barcodes and logos at up to 100 mm/sec

Versatile connectivity — wireless connectivity models (Wi-Fi® 5 or Bluetooth® 5.0) to provide connections to a wide variety of devices and networks

High-capacity media basket to help maximize uptime — 51 mm outer diameter allows for large paper capacity; replace rolls less often

Modern design — sleek design suited to complement your business

Enhance your printing with accessories — choose from a wide range of optional accessories, such as single or quad battery charger, spare battery, belt strap, shoulder strap and soft carrying case (each sold separately)

Print

Print Method Thermal line printing
Print Speed Receipt version: 100 mm/sec (max.)
Print Resolution Dots/inch: 203 dpi

Print Fonts

Fonts/Column Capacity 48 cpl mode: Font A: 12 x 24, 48 cpl (default); Font B: 9 x 17, 64 cpl; 42 cpl mode: Font A: 13 x 24, 42 cpl; Font B: 9 x 17, 60 cpl
Character Size (W x H) 48 cpl mode: Font A: 1.50 mm x 3.00 mm, Font B: 1.125 mm x 2.13 mm; 42 cpl mode:
Font A: 1.63 mm x 3.00 mm, Font B: 1.125 mm x 2.13 mm
Barcode UPC-A, UPC-E, JAN13/EAN13, JAN8/EAN8, Code 39, ITF, CODEBAR (NW-7), Code 93, Code 128, GS1-128, GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded
2D Symbol Printing QR Code, Maxi Code, PDF417, Composite Symbology, GS-1, Aztec, Datamatrix

Media Handling

Type Thermal roll paper
Paper Feed Method Friction feed
Width 80 mm
Paper Loading Drop-in
Roll Diameter (max.) 2.0"/51.0 mm
Core Diameter (min.) 0.71"/18.0 mm
Auto Cutter No

Connectivity

Interfaces USB-C (built-in), Wi-Fi 802.11 a/b/g/n/ac (2.4 GHz or 5 GHz band) or Bluetooth 5.0 (Classic + LE)
Wireless Security Mode
WPA/WPA2-PSK (TKIP/AES)
WPA3-SAE (AES)
WPA2/WPA3-Enterprise
Supported Mobile Operating Systems iOS˚, Android ™ and Windows˚
Easy Setting SimpleAP, TM Utility, NFC and QR Code

General

Printer Reliability [3] 10 million printing lines
IP Rating IP54
Drop Rating 1.8 Metres
Charging Available Epson options: Single-Battery Charging Cradle (OT-SB20II) and Quad-Battery Charging Cradle (OT-CH20II); fully charges as fast as 2.5 hours [2]
Third-party options: USB-C charging devices, wireless charging devices [4]
Battery Life 47 hours for Wi-Fi and 25 hours for Bluetooth [1]
NV Bit Image Memory NV User 192KB (max) , NV Graphics: 384KB (max.)
Data Buffer Wi-Fi: 4KB, Bluetooth: 64KB
Printer Driver ePOS-Print SDK, Windows driver (APD), OPOS, OPOS.NET, JavaPOS (Win), Java POS (Linux), TM Virtual Port Driver
Software TM Utility (for iOS and Android) , Integrated Utility, TM Bluetooth Connector, EpsonWebConfig, Monitoring Tool, Deployment Tool, Firmware Updater
Audible Alert Programmable Buzzer
LED Indicators Power LED, Battery LED (x3), Charging LED, Bluetooth Connection LED or Wi-Fi Connection LED, Error LED
Sensors PaperEnd, Cover Open
Power Source Lithium-ion battery pack, USB-C port
Power Saving Yes
Temperature -15°C – 50°C (5°F – 122°F)
Relative Humidity 10% – 90%
Acoustic Noise Level 53 dB
Standards and Approvals EMI FCC Class B, ICES-003Class B, Safety standard UL62368-1/CAN/CSA C22.2 No.62368-1
Dimensions (W x D x H) 105 x 138 x 57mm
Weight 363g
Color Epson Black

Eco Features

Paper Saving Mode
Power Saving Mode
RoHS compliant

Warranty

Standard 1 year warranty, with optional extended service plans available

What's in the Box

TM-P80II, Battery (OT-BY80II), Belt Clip (attached to printer), Starter Roll Paper, USB-C Cable, Documentation

Ordering Information

Printers

TM-P80II Wi-Fi	C31CK00311
TM-P80II Bluetooth	C31CK00301

Optional Accessories

Battery (OT-BY80II)	C32C882301
Belt Strap (OT-BE01)	C32C882321
Shoulder Strap (OT-SH01)	C32C882331
Soft Case (OT-PC80II)	C32C882351

1 Battery life will vary considerably depending on connectivity (Wi-Fi or Bluetooth), usage and environment. | 2 Speed based on charging with Epson genuine battery chargers (OT-SB20II, OT-SB80II, OT-CH20II, OT-CH80II). | 3 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 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. | 4 Epson cannot guarantee the performance or quality of third-party power adapters. |