

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 charge¹ (battery and USB-C cable included)

Fast battery charging capability — fully charges as fast as 2.5 hours² (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)

World-class service and support — 2 year RTB warranty

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 79.5 mm
Paper Loading Drop-in
Roll Diameter (max.) 51.0 mm
Core Diameter (min.) 18.0 mm
Auto Cutter Yes on selected models

Connectivity

Interfaces
TM-P80II-801 : Bluetooth 5.0 (Classic + LE)
TM-P80II-811 : USB-C (built-in), Wi-Fi 802.11 a/b/g/n/ac (2.4 GHz or 5 GHz band)
TM-P80II-821 : Bluetooth 5.0 (Classic + LE)
TM-P80II-831 : USB-C (built-in), Wi-Fi 802.11 a/b/g/n/ac (2.4 GHz or 5 GHz band)

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 Reliability³ 10 million printing lines
Auto Cutter Reliability 500,000 auto cutter
IP Rating IP54
Drop Rating
TM-P80II-801 / TM-P80II-811 = 1.8m
TM-P80II-821 / TM-P80II-831 = 1.5m
Charging Available Epson® options: Single-Battery Charging Cradle (OT-SB80II) and Quad-Battery Charging Cradle (OT-CH80II); fully charges as fast as 2.5 hours²
 Third-party options: USB-C charging devices, wireless charging devices⁴
Battery Life
TM-P80II-801 : 47 hours
TM-P80II-811 : 47 hours
TM-P80II-821 : 34 hours
TM-P80II-831 : 34 hours
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), JavaPOS (Linux®), TM Virtual Port Driver
Software TM Utility (for iOS and Android), Integrated Utility, TM Bluetooth Connector, Epson WebConfig, 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 Paper End, 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%

Eco Features

Paper Saving Mode
 Power Saving Mode
 RoHS compliant

Dimensions (W x D x H)

TM-P80II-801 : 104 x 137 x 56mm (w x d x h)
 TM-P80II-811 : 104 x 137 x 56mm (w x d x h)
 TM-P80II-821 : 104 x 153 x 66mm (w x d x h)
 TM-P80II-831 : 104 x 153 x 66mm (w x d x h)

Weight

TM-P80II-801 : 363g
 TM-P80II-811 : 363g
 TM-P80II-821 : 590g
 TM-P80II-831 : 590g

Colour Epson Black

Warranty

Standard 2-year Return to base (RTB) warranty, with optional extended service plans available

1 Year Extended Warranty Code : 1YWP80II
 2 Year Extended Warranty Code : 2YWP80II

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-811 Wi-Fi	C31CK00811
TM-P80II-801 Bluetooth	C31CK00801
TM-P80II-831 with Auto Cutter, Wi-Fi	C31CK00831
TM-P80II-821 with Auto Cutter, Bluetooth	C31CK00821
Optional Accessories	
Battery (OT-BY80II)	C32C882301
Belt Strap (OT-BE01)	C32C882321
Shoulder Strap (OT-SH01)	C32C882331
Soft Case (OT-PC80IIAC)	C32C882351

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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. |