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Epson TM-T88VII
Single-station Thermal Receipt Printer

The fastest POS receipt printer[1] with advanced connectivity and online ordering capability.

Ultra fast transaction times — industry-leading print speeds up to 500 mm/sec[1] and high-speed auto cutter

Reliability you can count on — 4-year warranty; easy-to-clean, water-resistant enclosure; long printhead and auto cutter life[2]

Connect to multiple devices simultaneously — using multiple interfaces, printer can be dynamically shared by PC-POS terminals, tablets and mobile devices as well as cloud servers

Multi-interface support — built-in USB and Ethernet, optional serial, powered USB, parallel and wireless connectivity ensure maximum flexibility and futureproofing

Secure wireless connection — supports the latest Wi-Fi® security standard (WPA3)

Online ordering ready — Server Direct Print technology allows the printer to retrieve orders from a web server and print a receipt without requiring POS software integration

POS peripheral support — supports POS peripherals including barcode scanners, customer displays, and more

Easy setup and configuration — streamline the setup and replacement processes using Epson TM Utility; vertical mounting kit provides flexible configuration options

Easy to understand — status LEDs and network diagnostic sheet improve on-site network troubleshooting

Advanced paper-saving functions — top-margin and character-height reduction features help reduce paper usage by up to 49 percent[3]

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Print

Print Method Thermal line printing
PrintSpeed[1] 500 mm/sec max. for graphics and text
Print Resolution 180 dpi

Print Fonts

Fonts Font A (default): 12 x 24 (including 2-dot horizontal spacing); 10 x 24 (including 1-dot horizontal spacing)
Font B: 9 x 17 (including 2-dot horizontal spacing)
Kanji Font A: 24 x 24 (including 0-dot horizontal spacing); 20 x 24 (including 2-dot horizontal spacing)
Kanji Font B: 16 x 16 (including 0-dot horizontal spacing)
Column Capacity
Font A/B (ANK): 80mm mode 42/48/56 columns
58mm mode: 30/36/40 columns
Kanji Font A/B: 80mm mode: 21/24/32 columns
58mm mode: 15/18/22 columns
Character Set 95 Alphanumeric, 18 International, 128 x 43 Graphic, Japanese (6,879 characters of JIS X0208-1990, 845 special characters), Simplified Chinese (28,553 characters of GB18030-2000), Traditional Chinese (13,502 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 – 80 μm
Type Thermal roll paper
Paper Feed Method Friction feed
Paper Back Feed Yes
Paper Loading Drop-in
Roll Diameter (Max.) 383 mm
Core Diameter (Min.) 18 mm
Paper Guide Yes
Auto Cutter Yes
Near-end Sensor Yes

Connectivity

Interface (Fixed Interface Model) Built-in USB, Built-in Ethernet (10/100Base-T/TX) + Wireless Option (USB wireless dongle) OT-WL06 (802.11 a/b/g/n/ac, 2.4 GHz/5 GHz)
Interface (Connect-It™ (UIB) Model)
Built-in USB, Built-in Ethernet (10/100Base T/TX) + UIB (Serial, Parallel, Powered USB, Wireless)
Printer Discovery NFC (Near Field Communication[4]), Simple AP (wireless network)
Communication Protocols ESC/POS®, ePOS™ Print Service (Ethernet/Wireless), Server Direct Print (Ethernet/Wireless)
Network Security
Security:
WPA-PSK, WPA2-PSK/EAP, WPA2-EAP: EAP-TLS, WPA3-SAE, WPA3-Enterprise, PEAP/MSCHAPv2, PEAP/TLS

Connectivity (Continued)

Port Open/Close Setting
IP Address Filtering
Printing from a Mobile Device
Wireless (802.11): iOS®, Android™ and Windows® Operating Systems
mPOS-friendly Settings (default): DHCP Enabled, DNS Enabled, IP Printing Enabled
Easy Setting Function NFC[4], QR Code
Easy Setting Tool TM Utility (iOS, Android), TM-T88VII Utility (Windows)

Reliability[2]

Printer Reliability 20 million printing lines
MTBF 360,000 hours
MCBF 70,000,000 lines
Thermal Head Life 200 km
Auto Cutter Reliability 3.0 million cuts

General

Data Buffer
Receive: 45 bytes or 4KB, selectable
User-defined: 12KB
Macro: 2KB
NV Graphics: 384KB
NV User: 1KB
Audible Alert Optional External Buzzer (OT-BZ20)
LED Indicators Orange LEDs – Error, Paper Out; Blue LEDs – Power, LAN, Wireless
Sensors Paper End, Cover Open, Near-end Sensor
D.K.D. Function Yes
Power Consumption Operating 27.9 W (UIB Model), 28.6 W (Fixed Interface Model), Standby 1.4 W (Both Models), Power Source 24 VDC +/- 7%
Power Supply Adapter PS-190 (Included on Select SKUs)
Adapter PS-180 (Compatible, not Included)
Power Saving Yes
Temperature 5 °C to 45 °C (41°F to 113°F)
Relative Humidity 10 – 90%
Acoustic Noise Level 52 db
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)
(145 x 195 x 148 mm)
Weight 1.7 kg
Color EBCK (Epson Black)
Cash Drawer Kick Yes
USB POS Peripheral Device Support 1 or 2 (varies by model)

Eco Features

Power-saving Mode
RoHS compliant
Recyclable product

What's in the Box*

Epson TM-T88VII Printer, Thermal Roll Paper (starter roll for testing), Power Switch Cover, Connector Cover, Bottom Cover for Connector Cover, Roll Paper Guide, Screws, Setup Guide, AC Adapter w/ AC Cord, CD (drivers, utilities and documentation)

*Contents vary by individual SKU.

Software and Utilities

ePOS-Print (XML over HTTP): WPA/WPA2/WPA3-Personal/Enterprise
ePOS-Display
Server Collaboration: Server Direct Print, Status Notification
Backup/Restore: TM Utility (Windows)
OS/Language Support
Microsoft® Windows (APD, OPOS, OPOS for .NET, JavaPOS)
Microsoft Windows 8.1/iOS/Android (ePOS-Print SDK)
Mac® OS X®
Linux (CUPS, JavaPOS)

Warranty

4-year RTB warranty

Ordering Information

Model Number	Part Number
TM-T88VII - Built-in Ethernet, USB, Serial	C31CJ57612
TM-T88VII - Built-in Ethernet, USB, Parallel	C31CJ57622
TM-T88VII - Built-in Ethernet, USB, PUSB	C31CJ57632
TM-T88VII - Built-in Ethernet, Non-UIB Slot	C31CJ57652

Accessories	Model Number
Wireless USB Adapter	OT-WL06
PowerSupplyCover	OT-BX88VII

For additional connectivity options, please contact your Epson representative.

Epson CoverPlus Extended Warranty

Extended Warranty Coverage (up to 5 years)	1YWT88VII

145mm
195mm D
145mm W

1 Compared to single station thermal receipt printers available in the Australia & New Zealand as of August 2021, based on manufacturers' published specifications. Speed based on using 80 mm wide media only and Epson's PS-190 or PS-180 power supply. Configurations not including the PS-190 or PS-180 will have a default print speed of 450 mm/sec. | 2 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. | 3 Paper savings depend on the text and graphics printed on the receipt. | 4 NFC tag requires use of a device that includes NFC reader, and may require additional software.

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Contact: