



Supercharge Your Business With Speed And Versatility



Fast And Quiet Printing

Despite fast printing speed of up to 500mm/s, the TM-T88VII still prints quietly at 52dB.



Flexible Connectivity

Choose from a wide array of connectivity from USB, Ethernet, Serial, Parallel to optional Wi-Fi dongle.



High Reliability

With an auto cutter life of up to three million cuts, the TM-T88VII offers smooth printing and low maintenance cost.

Leading Retail Transformation With High-Efficiency POS

Fuss-free to set up, Epson's TM-T88VII is the ideal POS for businesses with its high-speed printing and flexible connectivity.



RELIABLE PERFORMANCE

Superior Print Speed

With print speeds up to **500** mm/s, the reliable TM-T88VII is **1.4** times faster than its predecessor TM-T88VI, all while delivering clear and accurate prints.

LED Light Indicators

Conveniently check the network connection status with the Wi-Fi/Ethernet LED Light Panel.



Splash Resistance

With a splash resistance* of IPX2 and a simple, flat design, the TM-T88VII is easy-to-clean and ideal for use in a kitchen environment.

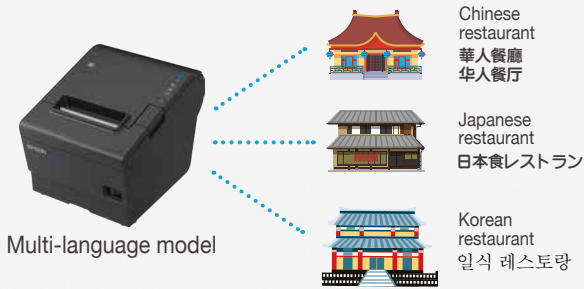


*When installed horizontally.

IMPROVED VERSATILITY TO MEET NEW NEEDS

Multi-Language Support in One Printer

Enable multi-language printing with Unicode UTF-8 support*. Ideal for global businesses, save big on costs and time by printing various languages such as English, Traditional, Simplified Chinese, Korean, and Japanese with just one printer.



*Unicode support is only for languages listed in the specifications sheet.

Compact New Power Supply

Not only is the TM-T88VII compact, but its all-new power supply also comes with a narrower DC cable and takes up 24% smaller space compared to its predecessor, PS-180.

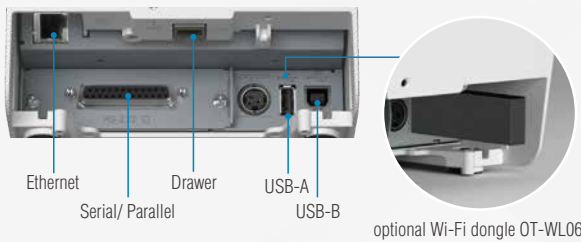
24% Smaller
Than PS-180*



*PS-180 has capacity to provide power to T88VII, however, the performance is not guaranteed.

Flexible Interface Options

TM-T88VII's multiple interface support opens up a wide range of communication possibilities. From USB, Serial to optional Wi-Fi dongle, making it compatible with a wide range of POS systems.



ABUNDANCE OF CONNECTIVITY

POS system integrator can enjoy the flexibility of device integration with TM-T88VII.

Scenario 1

Using the same printer for PC and Tablet.



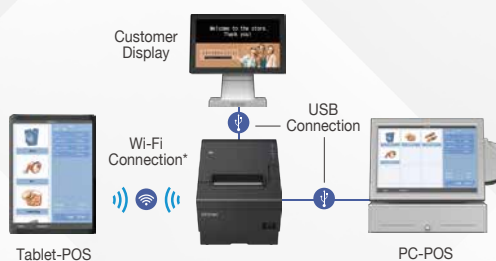
Scenario 2

Server Direct Printing by pulling data directly from the cloud server. Ideal for businesses with high online orders.



Scenario 3

Controlling a customer's display with PC or Tablet.



*Only one of Ethernet and Wi-Fi can be used.

Scenario 4

Convenient and quick pairing with tablet via NFC or SimpleAP mode.



Print

Print Method Thermal line printing
Print Speed 500 mm/sec (19.7"/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.) 3.27"/83 mm

Core Diameter (Min.) 0.71"/18 mm

Paper Guide Yes

Auto Cutter Yes

Near-end Sensor Yes

Connectivity

Interface

Built-in USB, Built-in Ethernet (10/100Base T/TX) + UIB (Serial, Parallel)

Printer Discovery NFC (Near Field Communication), 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, QR Code

Easy Setting Tool TM Utility (iOS, Android), TM-T88VII Utility (Windows)

Reliability

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

Standby 1.4 W Power

Source 24 VDC +/- 7%

Power Supply Adapter PS-190 (Included)

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

Eco Features

Power-savin g Mode

ENERGY STAR® qualified

RoHS compliant

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)

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

Standard 1 year warranty; with optional extended service plans available

Ordering Information

TM-T88VII Serial C31CJ57312

TM-T88VII Parallel C31CJ57322

*All models have built-in USB and Ethernet interfaces.

