

## Overview

### Epson TM-T88VII Thermal Receipt Printer



## Models

Epson TM-T88VII Serial/ Ethernet/ USB Thermal Receipt Printer

8G0G6AA

Epson TM-T88VII PUSB/ Ethernet Thermal Receipt Printer

8G0G7AA

## Introduction

The Epson TM-T88VII Serial/ Ethernet/ USB Thermal Receipt Printer and Epson TM-T88VII PUSB/ Ethernet Thermal Receipt Printer offer advanced connectivity and cloud support. The printers can connect to multiple devices simultaneously and be dynamically shared by legacy POS terminals, tablets and mobile devices, as well as cloud servers.

## Key Benefits

- Maximum flexibility with two printer options, Serial/ Ethernet/ USB or PUSB/ Ethernet
- Print speeds up to 500 mm/sec, plus a high-speed auto cutter
- Top-margin and character-height reduction features help reduce paper usage by up to 49 percent

## Compatibility

The Epson TM-T88VII Thermal Receipt Printers are compatible with the HP Point of Sale Systems.

**NOTE:** Not all Point of Sale systems are available in all regions.

### Overview

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#### **Service and Support**

Three- (3) year limited HP warranty (advanced unit replacement warranty service) when purchased from HP.

[https://www.hp.com/us-en/privacy/limited\\_warranty.html](https://www.hp.com/us-en/privacy/limited_warranty.html)

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### Technical Specifications

#### General

<b>Fonts</b>	Font A (default): 12 x 24 Font B: 9 x 17 (including 2-dot horizontal spacing)
<b>Character Set</b>	95 Alphanumeric, 18 International, 128 x 43 Graphic (including user-defined page); Standard firmware includes Traditional/Simplified Chinese, Thai and Korean; requires utility to set the desired language support.
<b>Data Buffer</b>	Receive: 45 bytes or 4KB,selectable User-defined: 12KB Macro: 2KB NV graphics: 384KB NV user: 1KB
<b>Receipt-Columns</b>	80 mm mode: 42/48/56 columns 58 mm mode: 30/36/40 columns
<b>Paper Roll Size</b>	80 mm: 79.5 ± 0.5 (width) x 83 mm (roll diameter)/ 3.13" ± 0.02" (width) x 3.27" (roll diameter)  58 mm: 57.5 ± 0.5 (width) x 83 mm (roll diameter)/ 2.26" ± 0.02" (width) x 3.27" (roll diameter)
<b>Knife</b>	Full and partial cuts supported
<b>Near- end Sensor</b>	Yes
<b>Resolution</b>	180 dpi
<b>Paper Thickness Range</b>	48 - 80µm
<b>Cash Drawers</b>	One connector can drive two cash drawers with separately- purchased splitter cable (default configuration is connection to one cash drawer)
<b>Barcodes</b>	UPC-A/E, JAN8/EAN8, JAN13/EAN13, Code 39/93/128, ITF, CODABAR (NW-7), GS1-128, GS1 DataBar, Code 128 Auto
<b>Two- dimensional Symbol Printing</b>	PDF417, QR-Code, MaxiCode, DataMatrix, Aztec Code, Two-dimensional GS1 DataBar, Composite Symbology
<b>Print method</b>	Thermal line printing
<b>Print speed*</b>	Max: 500 mm/sec (19.7 in/sec) for graphics and text on Serial/ Ethernet/ USB Printer with power adapter only; max on PUSB Printer is 450 mm/ sec

Default setting: 450 mm/ sec (17.7 in/ sec)

Backward paper feeding function: 2 mm – 14.5 mm/sec (0.08" – 0.6"/sec)

\*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.

**Paper type** Direct thermal paper

#### Mechanical

<b>Dimensions (WxDxH)</b>	5.71" x 7.68" x 5.83" (145 x 195 x 148 mm)
<b>Weight</b>	3.74 lb (1.7 kg)
<b>Color</b>	Epson® Black (EBCK)

## Technical Specifications

**Interface/Connection**

**Interface** 8G0G6AA: Serial, Ethernet, USB  
8G0G7AA: PUSB, Ethernet

**Power**

**Operating Voltage** 24 VDC  $\pm$  7%  
**Consumption** Operating: 28.6 W  
Standby: 1.4 W

**Temperature Range**

**Operating** 5 to 45°C (41 to 113°F) at 10% to 90% Humidity  
**Storage** -10 to 50°C (14 to 122°F) at 5% to 90 % Humidity

**Drivers**

Windows native, OPOS

**Operating System Compatibility**

Microsoft® Windows (APD, OPOS, OPOS for .NET, JavaPOS), Microsoft Windows 8.1 Android (ePOS-Print SDK)  
Linux (CUPS, JavaPOS)

**Reliability**

MTBF: 360,000 hours  
MCBF: 70,000,000 lines  
Thermal head life: 200 km  
Auto cutter life: 3 million cuts

**Agency Certifications**

RoHS compliant  
FCC/ICES-003 Class A  
UL62368-1/CSA C22.2 No. 62368.1

**Box contents**

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, and setup guide (includes QR code for link to drivers, utilities, and documentation). Cables kit sold separately.

**Cables****(Sold separately)****Recommended cables for Epson TM-T88VII Serial/ Ethernet/ USB Thermal Receipt Printer:**

**1C5A0AA** Epson 6-ft USB Cable (requires power adapter 92Q81AA# or 2KH39AA#), or  
**2RL29AA** Epson 10-ft USB Cable (requires power adapter 92Q81AA# or 2KH39AA#), or  
**2KH41AA** Epson 6-ft Serial Cable (9-pin to 25-pin) (requires power adapter 92Q81AA# or 2KH39AA#)

**Alternate configurations:**

**2KH40AA** Epson 10-ft PUSB Y Cable (power and communication; no power supply required)

**Recommended cables for Epson TM-T88VII PUSB/ Ethernet Thermal Receipt Printer:**

**2KH43AA** Epson 6-ft PUSB Cable, or  
**7NX62AA** Epson 12-ft PUSB Cable (AMS only)

**Alternate configurations\***

### Technical Specifications

1C5A0AA  
2LR29AA  
2KH40AA  
required)

Epson 6-ft USB Cable (requires power adapter 92Q81AA# or 2KH39AA#), or  
Epson 10-ft USB Cable (requires power adapter 92Q81AA# or 2KH39AA#), or  
Epson 10-ft Powered USB Y Cable (power and communication; no power supply

**\*Usage of the PUSB-Y cable or USB cable + power adapter on the Epson TM-T88VII PUSB Thermal Receipt Printer requires modification of printer for support: removing cover over the USB-Type B port and sticker over power port. In addition, the interface selection in the firmware will need to be modified to support this change.**

### Summary of Changes

Date of change:	Version History:		Description of change:
	From v1 to v2		

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