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

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

Technical Specifications

General

Fonts	Font A (default): 12 x 24 Font B: 9 x 17 (including 2-dot horizontal spacing)
Character Set	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.
Data Buffer	Receive: 45 bytes or 4KB,selectable User-defined: 12KB Macro: 2KB NV graphics: 384KB NV user: 1KB
Receipt-Columns	80 mm mode: 42/48/56 columns 58 mm mode: 30/36/40 columns
Paper Roll Size	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)
Knife	Full and partial cuts supported
Near- end Sensor	Yes
Resolution	180 dpi
Paper Thickness Range	48 - 80μm
Cash Drawers	One connector can drive two cash drawers with separately- purchased splitter cable (default configuration is connection to one cash drawer)
Barcodes	UPC-A/E, JAN8/EAN8, JAN13/EAN13, Code 39/93/128, 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
Print method	Thermal line printing
Print speed*	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

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

Technical Specifications

Interface/Connection

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

Power

Operating Voltage	24 VDC ± 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
2LR29AA	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)

Summary of Changes

Date of change:	Version History:		Description of change:
October 8, 2024	From v1 to v2	Changed	Cables section
July 23, 2025	From v2 to v3	Changed	Cables section

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