General Product Description
Epson TM-T88 V Thermal Receipt Printer
Radiant Models: P201F0xx

The TM-T88V is the latest addition to Epson’s industry-leading TM-T88 POS printer series. Designed for use in food service and retail environments, the TM-T88V offers more speed, features and reliability than ever before. The TM-T88V prints 50% faster than the TM-T88IV and is the first printer in the industry to offer 16 levels of grayscale to ensure clear, crisp graphics. Print speed is up to 300 mm/second. The standard auto cutter makes clean, efficient receipt cuts. The TM-T88V includes drop-in paper loading, to greatly simplify store printer operations.

This is a highly reliable thermal printer featuring an MCBF of 70 million lines. Please note that thermal print mechanisms are only capable of printing single ply paper. The TM-T88V comes standard with dual interfaces (USB and one additional interface) for flexibility in handling interface transitions. Another new feature of the TM-T88V is that multiple configurations meet ENERGY STAR requirements.

Every-Unit-Item Features and Benefits

<table>
<thead>
<tr>
<th>Features</th>
<th>Benefits</th>
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<tbody>
<tr>
<td>Thermal Printing</td>
<td>Low noise</td>
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<td></td>
<td>Fast printing (300mm/Second)</td>
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<td>High reliability</td>
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<tr>
<td>Drop-In Paper Roll Loading</td>
<td>Limited cashier training requirements</td>
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<td>Faster throughput</td>
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Available Features


P201F066 - Epson TM-T88V w/ Radiant logos. Thermal, gray, DB25 RS232 & onboard USB-B interfaces. Includes Chinese character set. This feature includes 3ft serial interface (RJ12-DB25), and universal power supply. POWER CORD MUST BE ORDERED SEPARATELY.

P201F067 - Epson TM-T88V w/ Radiant logos. Thermal, gray, DB25 RS232 & onboard USB-B interfaces. This feature includes universal power supply and U.S AC line cord. INTERFACE CABLE MUST BE ORDERED SEPARATELY.

P201F068 - Epson TM-T88V w/ Radiant logos. Thermal, gray, RJ45 Ethernet & onboard USB-B interfaces. This feature includes universal power supply and U.S AC line cord. INTERFACE CABLE MUST BE ORDERED SEPARATELY.

P201F069 - Epson TM-T88V w/ Radiant logos. Thermal, gray, USB & Customer Display Module & onboard USB-B interfaces. This feature includes universal power supply and U.S AC line cord. INTERFACE CABLE MUST BE ORDERED SEPARATELY.

P201F070 - Epson TM-T88V w/ Radiant logos. Thermal, gray, DB25 RS232 & onboard USB-B interfaces. This feature includes universal power supply and a DB25-DB9 null modem cable. POWER CORD MUST BE ORDERED SEPARATELY.

P201F071 - Epson TM-T88V w/ Radiant logos. Thermal, gray, Powered USB & onboard USB-B interfaces. This feature includes a 3ft powered USB interface cable.

P201F072 - Epson TM-T88V w/ Radiant logos. Thermal, gray, DB25 RS232 & onboard USB-B interfaces. This feature includes universal power supply and a DB25-RJ12 3ft interface cable. POWER CORD MUST BE ORDERED SEPARATELY.

P201F073 - Epson TM-T88V w/ Radiant logos. Thermal, gray, DB25 RS232 & onboard USB-B interfaces. Includes Thai character set. This feature includes universal power supply and a DB25-RJ12 3ft interface cable. POWER CORD MUST BE ORDERED SEPARATELY.
**Spare Parts**

- **CB10522** – RJ12-DB25 Serial Cable 3ft version. Connects from a standard RJ-11 or RJ-12 port on a Radiant POS 1220, 1510, 1520, etc. to the DB-25 serial port on the Epson printer.

- **CB10498** – RJ12-DB25 Serial Cable 6ft version. Connects from a standard RJ-11 or RJ-12 port on a Radiant POS 1220, 1510, 1520, etc. to the DB-25 serial port on the Epson printer.

- **CB10543** – AC power cord 6’ (this cable connects from the power brick to the AC wall outlet)

- **PW10294** – ENERGY STAR star Universal power supply. A line cord must be ordered SEPARATELY. For U.S. customers, CB10543 is the appropriate cord. The PS180 is the std PS for the T88 & H6000, and is an approved optional PS for the U200 & U220 models.

**Wall-Mounting**: Radiant Part Number **PR10094** can be ordered to support wall-mounting of the T88-V.

- **CB10270** – USB A - USB B 6ft interface cable
- **CB10163** – IEEE 1284 PARALLEL Printer Interface Cable

**Specifications**

<table>
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<tr>
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<th>Thermal line printing</th>
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<tbody>
<tr>
<td>Print method</td>
<td>Thermal line printing</td>
</tr>
<tr>
<td>Print Font (Font A,B)</td>
<td>(12 x 24), (9 x 17)</td>
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<tr>
<td>Column capacity (Font A,B)</td>
<td>42 / 56 (columns)</td>
</tr>
<tr>
<td>Character size (standard)(mm)</td>
<td>Font A: 1.41 x 3.39 (W x H)</td>
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<tr>
<td></td>
<td>Font B: 0.99 x 2.40 (W x H)</td>
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</tbody>
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### Character set
95 Alphanumeric, 18 International, 128 x 43 Graphic

### Data buffer
Receive: 45 bytes or KB, selectable; user-defined: 12 KB; Macro: 2KB; NV graphics: 256KB; NV user: 1KB; page mode area: 106K

### Print speed
11.8”/second (300mm) graphics & text; 2.4”/second for ladder and 2D barcodes

### Paper Dimensions (mm)
Thermal roll paper 79.5 +/- 0.5 (W) x diameter 83.0

### Paper Thickness (μm)
55 - 80

### Reliability
(MCBF) - 70,000,000 lines (MTBF) - 360,000 hours Autocutter - 2 million cuts

### Power
PS-180 Universal Power Supply providing 24 VDC +/- 7%

### Power consumption
Approx. 1.8A (mean)

### Dimensions
5.71” W x 7.68” D x 5.83” H, 145 W x 195 D x 148 H mm

### Weight
3.5 Lbs., 1.6 Kg

### Operating temperature
41 to 113° F, 5 to 45°C

### Storage temperature
14 to 122° F, -10 to 50° C (except for paper)

### Operating humidity
10 to 90% RH

### Storage humidity
10 to 90% RH except for paper

### EMI standards
FCC/ICES-003 Class A

### Safety standards
UL 1950, CSA C22.2 No. 950

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**Installation Notes**

**Footprint:** An area of no less than 5.71” (W) x 7.68” (D) is necessary to properly install a TM-T88V printer. Free space above the printer must be of sufficient height to allow easy opening of clamshell top for paper reloading.

**Power and Cabling:** TM-T88V printer uses an external AC universal power supply. It requires connection to a wall outlet for its source power, and then provides DC power to the printer. The only other parts required to properly install the unit are the cable adapters and cable, which connect the printer to the POS terminal port.

**Moisture:** The TM-T88V printer is not water-resistant. Accordingly, units should not be installed in areas where they might be exposed to water spray. Units are not designed for outdoor installation.

**Wall-Mounting:** Radiant Part Number PR10094 can be ordered to support wall-mounting of the T88-V.