

# OmniLink® TM-T88VI

## Single-station Thermal Receipt Printer



Thermal Receipt Printer

POS

## Revolutionary receipt printer with advanced connectivity and cloud support.

**Connect to multiple devices simultaneously** — printer can be dynamically shared by legacy POS terminals, tablets and mobile devices, as well as cloud servers

**Triple-interface connectivity to future-proof growing businesses** — maximum flexibility with three options, including built-in USB and Ethernet

**Print from web-based applications** — incorporates Epson's ePOS™ Print Technology

**Designed for the cloud** — leverage best-of-breed POS apps and perform remote firmware upgrades using OmniLink Merchant Services, plus utilize Server Direct Printing for online ordering

**Distributed proximity-based printing** — through Epson's beacon support using BLE (Bluetooth® Low Energy)<sup>1</sup>

**Easy printing from mobile devices** — NFC (Near Field Communication) technology for easy pairing with your device<sup>2</sup>

**Ultra fast transaction times** — print speeds up to 350 mm/sec<sup>3</sup>, plus a high-speed auto cutter

**Advanced paper-saving functions** — top-margin and character-height reduction features help reduce paper usage by up to 49 percent<sup>4</sup>

**Reliability you can count on** — printhead life of 200 km, plus an auto cutter life of 3 million cuts<sup>5</sup>

**Printer**

**Print Method** Thermal line printing  
**Print Speed<sup>1</sup>**  
 350 mm/sec (13.8"/sec) max. for graphics and text;  
 Backward Paper Feeding function: 2 mm – 14.5 mm/sec  
 (0.08" – 0.6"/sec)  
**Print Resolution** 180 dpi  
**Fonts**  
 Font A (default): 12 x 24  
 Font B: 9 x 17 (including 2-dot horizontal spacing)  
**Column Capacity**  
 80 mm model: 42/48/56 columns  
 58 mm model: 30/36/40 columns  
**Character Set**  
 95 Alphanumeric, 18 International, 128 x 43 Graphic  
 (including user-defined page); Options for customization  
 include Traditional/Simple Chinese, Thai, Japanese and Korean  
**Barcode** UPC-A/E, Code 39/93/128, CODABAR PDF417,  
 QR-CODE, MaxiCode, Data Matrix, Aztec Code, Composite  
 Symbology, GS1-128, GS1 DataBar Omnidirectional/Truncated/  
 Limited/Expanded

**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

**General**

**Interfaces** Built-in USB, Built-in Ethernet (10/100Base-T/TX) +  
 UIB (Serial, Parallel, Powered USB), Bluetooth 3.0+EDR  
 (dedicated model)  
**Wireless (USB wireless dongle)** OT-WL05 (802.11 a/b/g/n,  
 2.4G/5G) or OT-WL02 (802.11 b/g/n, 2.4G)  
**Beacon (using Bluetooth Low Energy)** Beacon dongle<sup>1</sup>  
 (Epson-approved dongle: Laird model BT820)  
**Printer Discovery** NFC (Near Field Communication)<sup>2</sup>,  
 Simple AP (wireless network)  
**Communication Protocols** ESC/POS<sup>®</sup>, ePOS Print Service  
 (Ethernet/Wireless), Server Direct Print (Ethernet/Wireless)

**General (continued)**

**Network Security**  
 Security: WEP, WPA-PSK, WPA2-PSK/EAP  
 WPA2-EAP: EAP-TLS, PEAP/MSCHAPv2, PEAP/TLS  
 Port open/close setting  
 IP address filtering  
**Printing from a Mobile Device**  
 Wireless (802.11): iOS, Android<sup>™</sup> and Windows<sup>®</sup> operating systems  
 Bluetooth: iOS, Android and Windows operating systems  
 mPOS Friendly Settings (default): DHCP enabled, DNS enabled,  
 IP printing enabled  
**Supported Customer Display**  
 DM-D30  
 DM-D110  
**Reliability**  
 MTBF: 360,000 hours  
 MCBF: 70,000,000 lines  
 Thermal head life: 200 km<sup>5</sup>  
 Auto cutter life: 3 million cuts<sup>6</sup>  
**Data Buffer**  
 Receive: 45 bytes or 4KB, selectable  
 User-defined: 12KB  
 Macro: 2KB  
 NV graphics: 384KB  
 NV user: 1KB  
**D.K.D.** 2 drivers  
**Dimensions (W x D x H)**  
 5.71" x 7.68" x 5.83"  
 (145 x 195 x 148 mm)  
**Weight** 3.5 lb (1.6 kg)  
**EMI Standards** FCC/ICES-003 Class A  
**Case Color** Epson<sup>®</sup> Black (EBCK), Epson White (ENN8.5)  
**Safety Standards** UL60950-1/CSA C22.2 No.60950-1  
**Options** Power supply cover, PS-180 AC adapter, one wall  
 hanging bracket, affixing tape and Connect-It<sup>™</sup> interfaces  
**Power Supply Voltage** 24 VDC ± 7%  
**Power Consumption**  
 Operating: Approx. 1.8 A (mean)  
 Standby: 0.5 W  
 Power Source: 24 VDC ± 7%

**Software**

**Software and Utilities**  
 ePOS-Print (XML over HTTP); WEP/WPA/WPA2-Personal/Enterprise  
 ePOS-Display  
 Server Collaboration: Server Direct Print, Status notification  
 PHP/SqLite3  
 Backup/Restore: TM Utility (Windows)  
**OS/Language Support**  
 Microsoft<sup>®</sup> Windows (APD, OPOS, OPOS for .NET, JavaPOS)  
 Microsoft Windows 8.1 / iOS / Android (ePOS-Print SDK)  
 Mac<sup>®</sup> OS X<sup>®</sup>  
 Linux (CUPS, JavaPOS)

**Warranty** 4-year limited warranty in the U.S. and Canada

**What's in the Box**

OmniLink TM-T88VI 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)  
 \* May not be included depending on the model

**Eco Features**

RoHS compliant  
 Recyclable product<sup>7</sup>  
 Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>7</sup>

**Ordering Information\*\***

Model	Interfaces	Color**	Part Number
OmniLink TM-T88VI	Serial	EBCK	C31CE94061
OmniLink TM-T88VI	Serial	ENN8.5	C31CE94051
OmniLink TM-T88VI	Parallel	EBCK	C31CE94A9991
OmniLink TM-T88VI	Parallel	ENN8.5	C31CE94A9981
OmniLink TM-T88VI	Serial, Wireless	EBCK	C31CE94A9921
OmniLink TM-T88VI	Serial, Wireless	ENN8.5	C31CE94A9971
OmniLink TM-T88VI	Bluetooth	EBCK	C31CE94531

\*\* All models have built-in USB and Ethernet interfaces with  
 mPOS-friendly settings as the default. EBCK: Epson Black;  
 ENN 8.5: Epson White



1 Requires the use of a beacon dongle connected to TM-T88VI printer via the USB-A port. Supports only Apple<sup>®</sup> iBeacon<sup>™</sup> compliant format. The Epson-approved dongle is Laird model BT820. | 2 NFC tag requires use of a device that includes NFC reader, and may require additional software. | 3 Speed based on using 80 mm wide media only and Epson's PS-180 power supply. Configurations not including the PS-180 will have a default print speed of 300 mm/sec. | 4 Paper savings depend on the text and graphics printed on the receipt. | 5 Rated printhead and cutter lives based on use of 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-Y: NIPPON Paper Industries Co., Ltd. | 6 For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | 7 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

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