

# OmniLink® TM-T88VI-i Intelligent Thermal Receipt Printer



Intelligent Printer

POS

## Receipt printer with hub connectivity, cloud and embedded server.

**Do more with custom Web applications** — built-in Web server offers maximum flexibility and customization

**Manage peripherals** — Epson's ePOS™ Device Technology enables you to use the printer as a peripheral hub for mobile and cloud/browser-based POS systems

**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>

**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, Serial, Ethernet (10/100Base-T/TX)  
 Connector Type: USB Type A Connector x1,  
 USB Type B Connector x4, RJ-45 x1, DB9 Male x1, DK x1,  
 3 Pin Mini Din Female x1  
**Wireless (requires 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 (requires Bluetooth Low Energy dongle)** 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)  
**Network Security**  
 Security: WEP, WPA-PSK, WPA2-PSK/EAP  
 WPA2-EAP (Enterprise): EAP-TLS, PEAP/MSCHAPV2, PEAP/TLV  
 Port open/close setting  
 IP address filtering  
**Printing From a Mobile Device**  
 Wireless (802.11): iOS<sup>®</sup>, 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

**General (continued)**

**Supported Customer Display**  
 DM-D30  
 DM-D110  
**Reliability**  
 MTBF: 350,000 hours  
 MCBF: 70,000,000 lines  
 Thermal head life: 200 km<sup>5</sup>  
 Auto cutter life: 3 million cuts<sup>5</sup>  
**Data Buffer**  
 Receive: 45 bytes or 4KB, selectable  
 User-defined: 12KB  
 Macro: 2KB  
 NV graphics: 384KB  
 Downloaded graphics area: 208KB  
 NV user: 1KB  
 Web contents area: 100MB  
 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 Class A/ICES-003 Class A  
**Case Color** Epson<sup>®</sup> Black (EBCK)  
**Safety Standards** UL60950-1/CSA C22.2 No.60950-1  
**Options** Power supply cover, PS-180 AC adapter, one wall  
 hanging bracket, affixing tape  
**Power Supply**  
 Input voltage: AC 100 V – 240 V  
 Frequency: 50 Hz – 60 Hz  
**Power Consumption**  
 Operating: Approx. 27.4 W  
 Standby: 1.5 W

**Software**

**Software and Utilities**  
 ePOS-Print (XML over HTTP)  
 ePOS-Device  
 ePOS-Display  
 WebConfig  
 Server collaboration: Server Direct Print and XML base printing  
 PHP/Sqlite<sup>3</sup>  
 Backup/restore: TM Utility (Windows)  
**OS/Language Support**  
 Microsoft<sup>®</sup> Windows (APD, OPOS, OPOS for .NET, JavaPOS)  
 Microsoft Windows 8.1/OS/Android (ePOS-Print SDK)  
 Mac<sup>®</sup> OS X<sup>®</sup>  
 Linux (CUPS, JavaPOS)  
 Web Server  
 Type: Embedded  
 CPU: Arm-Cortex-A5 384 MHz  
 Embedded Linux: lighthtp

**What's in the Box**

OmniLink TM-T88VI-i 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 V w/AC cord, CD (drivers, utilities and documentation)

**Eco Features**

RoHS compliant  
 Recyclable product<sup>6</sup>  
 Epson America, Inc. is a SmartWay<sup>®</sup> Transport Partner<sup>7</sup>

**Ordering Information**

Model	Interfaces	Color	Part Number
OmniLink TM-T88VI-i	Ethernet, USB, Serial	EBCK	C31CE94731



<sup>1</sup> Requires the use of a beacon dongle connected to TM-T88VI-i printer via the USB-A port. Supports only Apple<sup>®</sup> iBeacon<sup>™</sup> compliant format. The Epson-approved dongle is Laird model BT820. | <sup>2</sup> NFC tag requires use of a device that includes NFC reader, and may require additional software. | <sup>3</sup> 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. | <sup>4</sup> Paper savings depend on the text and graphics printed on the receipt. | <sup>5</sup> 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. | <sup>6</sup> For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | <sup>7</sup> 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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