

# 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\***  
 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®, 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/TLS  
 Port open/close setting  
 IP address filtering  
**Printing From a Mobile Device**  
 Wireless (802.11): iOS®, Android™ and Windows® 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® 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® Windows (APD, OPOS, OPOS for .NET, JavaPOS)  
 Microsoft Windows 8.1/OS/Android (ePOS-Print SDK)  
 Mac® OS X®  
 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® Transport Partner<sup>7</sup>

**Ordering Information**

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



1 Requires the use of a beacon dongle connected to TM-T88VI-i printer via the USB-A port. Supports only Apple® iBeacon™ 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.

See the latest innovations from Epson Business Solutions at [www.epson.com/forbusiness](http://www.epson.com/forbusiness)

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