

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)¹

Easy printing from mobile devices — NFC (Near Field Communication) technology for easy pairing with your device²

Ultra fast transaction times — print speeds up to 350 mm/sec³, 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 percent⁴

Reliability you can count on — printhead life of 200 km, plus an auto cutter life of 3 million cuts⁵

Printer

Print Method Thermal line printing
Print Speed¹
 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 dongle¹
 (Epson-approved dongle: Laird model BT820)
Printer Discovery NFC (Near Field Communication)²,
 Simple AP (wireless network)
Communication Protocols ESC/POS[®], 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[™] and Windows[®] 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 km⁵
 Auto cutter life: 3 million cuts⁶
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[®] 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[™] 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[®] Windows (APD, OPOS, OPOS for .NET, JavaPOS)
 Microsoft Windows 8.1 / iOS / Android (ePOS-Print SDK)
 Mac[®] OS X[®]
 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 cord⁴, CD (drivers, utilities, and documentation)
 * May not be included depending on the model

Eco Features

RoHS compliant
 Recyclable product⁶
 Epson America, Inc. is a SmartWay[®] Transport Partner⁷

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[®] 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 | 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

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