

OmniLink[®] TM-L90 Plus-i LFC

Intelligent Liner-free Compatible Label Printer



Thermal Label Printer

POS

Easy, cost-effective, liner-free label printing for QSRs and food service.

- Intelligent** — open platform for mobile POS deployments, cloud-based services, online ordering, custom Web applications, peripheral device control and more
- Versatile** — enables printing from virtually any smartphone or tablet
- Compatible** — uses Epson-tested, liner-free adhesive labels
- Efficient** — improves order accuracy and customer satisfaction
- Convenient** — triple interfaces, including built-in USB and VGA for flexible connectivity
- Fast** — print speeds of up to 170 mm/sec with 40, 58 and 80 mm print width support options
- Cost-effective** — enhanced print options reduce paper usage up to 30 percent



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Printer

Print Method Thermal line printing
Print Speed 170 mm/sec (thermal receipt); 90 mm/sec (label media)
Print Resolution 203 x 203 dpi
Print Font Font (A/B)
40 mm: 12 x 24, 7 x 17 / 9 x 17, 7 x 17
58 mm: 13 x 24, 10 x 17 / 10 x 17, 7 x 17
80 mm: TM-T88 compatible mode 13 x 24 / 10 x 17; TM-L90 compatible mode 12 x 24 / 9 x 17
Column Capacity 64/48 columns
Character Size 1.13 x 2.13 / 1.5 x 3.0 / 1.0 x 2.0 mm (W x H)
Character Set 95 Alphanumeric, 37 International, 128 x 11 Graphic
Barcode UPC-A, UPC-E, JAN8 (EAN), JAN13 (EAN), ITF, CODE39, CODE93, CODE128, CODABAR, PDF417, MAXICODE, QR Code
Reliability
 MTBF: 180,000 hours
 Autocutter: 2 million cuts (receipts), 1 million cuts (labels)

Media

Paper Width 40 mm, 58 mm, 80 mm
Paper Diameter 4" (102 mm)
Media Thickness 2 mil to 8 mil, depending on media type

General Information

Interface Ethernet (100Base-TX/10Base-T), USB and VGA connectivity
Data Buffer 4K or 45 bytes
Power 24 VDC±7%
Power Consumption Approx. 30 W
D.K.D. Function 2 drawers
Color Epson Dark Gray, Epson Cool White
Factory Options PS-180 AC adapter, paper roll spacer, wall-hanging bracket WH-10
Environmental Standards WEEE, RoHS compliant
EMI Standards VCCI class A, FCC/ICES-003 Class A, CE marking, Canada EMI, AS/NZS CISPR22 Class A
Safety Standards UL, CSA, TÜV (EN60950)
Warranty 1-year limited warranty
Overall Dimensions (W x D x H) 5.5" x 7.9" x 5.8" (140 mm x 148 mm x 203 mm)
Weight Approx. 4.4 lb (2.0 kg)

Intelligent Module and Software

Processor ATMEL
System Memory 256MB
Flash Memory 256MB (NAND)
Operating System Embedded Linux
Web Server Apache HTTP Server
Internal Battery Life 5 years (Internal calendar and clock)
Interfaces USB 2.0 (2x Device, 1x Host), Ethernet (1x RJ45), VGA (1x D-sub15 Fem), memory slot (1x microSD)
Software and Utilities ePOS Device, Server Direct Print, TMNet WebConfig, Easy Setup, ePOS SDK

What's in the Box

TM-L90 Plus-i LFC Printer, Thermal roll paper (starter roll for operation check), User guide, Power supply with AC cable

Ordering Information*

Built-in Ethernet, USB and VGA;
 EDG (Epson Dark Gray)** C31C412773
 Built-in Ethernet, USB, VGA and Freshness
 Label Application; EDG (Epson Dark Gray)** C31C412A7601

Epson-tested Media

Iconex Sticky Media™, 40 mm	9023-1233
Iconex Sticky Media, 58 mm	9023-1823
Iconex Sticky Media, 80 mm	9023-1253
MAXStick® Plus Diamond Adhesive Formation, 58 mm width	MS214275PLUSD
MAXStick 2Go 4 Stripe Adhesive 80 mm width	MS3183752G04S

*Contact your Epson® representative for additional models.
 **Includes AC adapter (PS-180-343)



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Epson America, Inc.
 3840 Kilroy Airport Way, Long Beach, CA 90806

Epson Canada Limited
 185 Renfrew Drive, Markham, Ontario L3R 6G3

www.epson.com
www.epson.ca

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Contact: