

TM-U220II

Kitchen and Receipt Impact Printer



Durable kitchen and receipt printer supports mPOS and PC-POS systems.

Engineered for reliability — proven robust enclosure and long component lives; backed by a 2-year limited warranty

mPOS and PC-POS support — compatible with mobile devices and traditional POS systems

Two-color printing — highlight order exceptions with black and red for clear identification

Online order ready¹ with Server Direct Print — retrieve orders from a Web server and print receipts without requiring integration with POS software

Resilient prints — impact printer paper stands up to heat and moisture to remain legible

Flexible installation — wall-mount options with right-side up printing for easy reading in all orientations

Comprehensive performance — crisp printing up to 6 lps with auto cutter and take-up journal options to cover virtually any need

Easy network configuration — DHCP-enabled model for seamless configuration over networks

Print

Printing Method 9-pin, serial impact dot matrix

Print Speed

Up to 8.8 lps (16 columns per line, 16 cpi)
Up to 6.0 lps (30 columns per line, 16 cpi)
Up to 4.7 lps (40 columns per line, 16 cpi)

Print Fonts

Print Fonts (Name, Structure [W x H dots], Size [mm], Horizontal Dot Spacing, Max. Columns Per Line [cpl])

ANK Font A, 9 x 9 dots, 1.6 mm x 3.1 mm, 3 half dots, 33 cpl
ANK Font A, 9 x 9 dots, 1.6 mm x 3.1 mm, 2 half dots, 35 cpl
ANK Font B, 7 x 9 dots, 1.2 mm x 3.1 mm, 3 half dots, 40 cpl
ANK Font B, 7 x 9 dots, 1.2 mm x 3.1 mm, 2 half dots, 42 cpl
Kanji, 16 x 16 dots, 2.7 mm x 2.7 mm, 1 or 2 dots, 22 cpl

Character Sets

95 alphanumeric characters, 16 international sets, 128 x 12 graphic, Japanese (JIS X0208-1990), Simplified Chinese (GB18030-2000), Traditional Chinese (Big5), Thai (128 x 7 page), Korean (KSC5601)

Media Handling

Media Dimensions

76.0 ± 0.5 mm/69.5 ± 0.5 mm/57.5 ± 0.5 mm (width) x 83 mm (roll diameter)

Paper Thickness 60 µm – 85 µm

Carbon Paper Copy Capacity One (1) original and one (1) copy

Ribbon Life

ERC-38B; up to 4,000,000 characters
ERC-38BR; up to 1,500,000 characters (black), up to 750,000 characters (red)

Connectivity

Interfaces (Choice of Connect-It™ Interface)

Connect-It Interfaces (UIB): USB, Ethernet, Serial, Parallel, Powered USB, Wireless

Communication Protocols ESC/POS®, ePOS-Print Service (Ethernet/Wireless), Server Direct Print (Ethernet/Wireless)¹

Easy Setting Tool TM-U220II Utility (Windows®)

General

Data Buffer

Receive: 40 bytes or 20KB, selectable
NV Graphics: 128KB (maximum)
NV User: 8KB (maximum)

Development Kit ePOS SDK (Android®, iOS®), OPOS ADK (Windows), JavaPOS ADK (Windows, Linux®), OPOS ADK for .NET (Windows)

Drivers Epson Advanced Printer Driver (APD), Mac® Printer Driver, GNU/Linux Printer Driver

Software TM-U220II Utility (Windows), Deployment Tool, Monitoring Tool, TM-U220II Firmware Updater

LED Indicators Power, Paper, Error

Sensors Paper-End, Near-End (factory option), Cover Open

DKD Function Yes

Mean Power Consumption Operating: 24.7 W; Standby: 1.2 W

Power Supply Adapter PS-190 (included on select SKUs); Adapter PS-180; Adapter C1

Power Source 24 VDC ± 7%

Dimensions (W x D x H)

Type A: 6.3" x 11.3" x 6.2" (160 mm x 286 mm x 157.5 mm)
Type B: 6.3" x 9.8" x 5.5" (160 mm x 248 mm x 138.5 mm)
Type D: 6.3" x 9.8" x 5.5" (160 mm x 248 mm x 138.5 mm)

Weight

Type A: Approx. 5.9 lb (2.7 kg)
Type B: Approx. 5.5 lb (2.5 kg)
Type D: Approx. 5.1 lb (2.3 kg)

Case Color Dark Gray (EDG), Cool White (ECW)

Standards and Approvals EMI FCC Class A, ICES-3 (A)/NMB-3 (A), cTUVus

Eco Features

Power-Saving Mode

ENERGY STAR® qualified (select SKUs)

RoHS compliant

End-of-life options available²

Epson America, Inc. is a SmartWay® Transport Partner³

What's Included

TM-U220II, roll paper (starter roll for testing), User Manual, ERC-38BR ribbon cassette, AC adapter and AC cord (Contents vary by individual SKU, including AC adapter and cord)

Warranty

2-year limited in the U.S. and Canada; optional extended service plans available

Epson PreferredSM Plus Extended Service Plans⁴

1-Year Return for Repair	EPPSDEXTB1
2-Year Return for Repair	EPPSDEXTB2
3-Year Return for Repair	EPPSDEXTB3
1-Year Spare-in-the-Air™ Coverage	EPPSDSITAB1
2-Year Spare-in-the-Air Coverage	EPPSDSITAB2
3-Year Spare-in-the-Air Coverage	EPPSDSITAB3
4-Year Spare-in-the-Air Coverage	EPPSDSITAB4
5-Year Spare-in-the-Air Coverage	EPPSDSITAB5

Ordering Information

Printer Model	Interface	Power Supply	Color	Part Number
TM-U220IIA	Parallel	Included	EDG	C31CL26A9961
TM-U220IIB	USB	Included	EDG	C31CL26A9971
TM-U220IIA	Ethernet	Included	EDG	C31CL26A9981
TM-U220IIB	Serial	Included	EDG	C31CL26A9991
TM-U220IIB	Serial	Included	EDG	C31CL27002
TM-U220IIB	Ethernet	Included	EDG	C31CL27032
TM-U220IIB	Ethernet (DHCP)	Included	EDG	C31CL27A9962
TM-U220IIB	Parallel	Included	EDG	C31CL27A9972
TM-U220IIB	Wireless	Included	EDG	C31CL27A9981
TM-U220IIB	USB	Included	EDG	C31CL27A9992
TM-U220IID	Serial	Included	EDG	C31CL28002
TM-U220IID	USB	Included	EDG	C31CL28022
TM-U220IID	Parallel	Included	EDG	C31CL28A9971
TM-U220IID	Serial	Included	ECW	C31CL28A9981
TM-U220IID	Ethernet	Included	EDG	C31CL28A9991

Accessories

Power Supply Cover (OT-BX220)

Wall-Hanging Bracket (WH-10)

Wireless USB Adapter (OT-WL06)

For additional options, please contact your Epson representative.

C32C814612
C32C845040
C32C891321

¹ Requires an Internet network connection. | ² For convenient and reasonable recycling options, visit www.epson.com/recycle | ³ SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency. | ⁴ Product comes with 2-year limited warranty with the option to purchase extended service plans up to a total of 5 years of continuous coverage. Spare-in-the-Air extended service plans can be purchased anytime that you are covered under an Epson limited warranty or Epson extended service plan. Return for Repair extended service plan must be purchased within 90 days of product purchase. See individual service plan for details.

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