

JD240 Series 4-inch Linerless Shipping Label Printer

203dpi
300dpi

Linerless
Eliminates 50% waste

Half-cut
Integrated Cutter for Linerless

ZPL / DPL
Printing

Broad OS
Driver

Desktop Printer

Use Applications

- Box Labels / Item labels
- Shipping /Receiving labels
- Shelf labels / price markdown labels
- Return labels
- Quick-service Restaurant order labels / Food delivery / bag seals
- Lab labels, Specimen labels,
- Blood and IV Labels

Product Overview

E-commerce fulfillment demands speed, sustainability, and cost control — the JD240 delivers all three. As a purpose-built linerless shipping label printer, it eliminates backing liner waste entirely, making it one of the most eco-friendly barcode printers in the 4-inch desktop class.

With 40% more labels per roll than standard lined media, the JD240 dramatically reduces label roll replacements during peak shipping windows — fewer changeovers, less downtime, higher throughput. Variable-length printing means every label is cut to size on demand, so no media is wasted on oversized blanks.

For partners seeking a cost-effective alternative to tier-1 brands, the JD240 offers ZPL-II/DPL/EPL auto-emulation for zero-reprogramming fleet migration, plus Bartender supportable driver — enterprise-grade modularity at a fraction of the price.



Key Benefits

Strong margin opportunity:

- 203 dpi and 300 dpi options cover every use case from shipping labels to fine-print barcodes
- Linerless printing with cutter ready: Meet PPWR compliance while cutting label costs, without adding complexity to labeling workflow

Lower Total Cost of Ownership:

- Zero liner waste disposal, 40% more labels per roll, fewer roll changes, and reduced downtime from adhesive-related failures

Fewer support calls:

- Multi-language UI and broad OS driver support cut deployment and training time across global fleets

Drop-in replacement:

- ZPL-II, DPL, and EPL compatibility plus broad media support (10–120 mm) make competitive displacement straightforward



MECHANICAL**Dimension:** 222.5 x 174 x 148.5mm**Weight:** 2.04 kg**Max Media Diameter:** 5.0 in (127 mm)**Media Core Sizes:** 1 in (25.4 mm); 1.5 in (38.1 mm)**MEDIA****Media Width:** 25.4 mm to 114 mm**Min Label Length:** 0.37 in (9.6 mm)**Max Print Length:** 190 in (4826 mm) @ 203dpi; 85 in (2159 mm) @ 300dpi**PRINTING****Print Resolution:** 203 dpi (8 dots/mm), 300 dpi (12 dots/mm)**Default Print Speed:** 150 mm/s (203dpi)**Max Print Speed:** 203 dpi: 150 mm/s; 300 dpi: 100 mm/s**Max Print Width:** 108 mm**COMMUNICATIONS****Standard:** USB Device,**Options:** USB Host, Ethernet, USB to serial cable, Wi-Fi 5 & Bluetooth 5.0 module**ELECTRICAL****Input:** 90~264V; Output: 24V DC, 2.5 A**MEMORY****Standard:** 128 MB Flash, 128 MB SDRAM**USER INTERFACE****Web Page Languages:** English, Simplified Chinese, Traditional Chinese, German, French, Italian, Korean, Portuguese, Russian, Spanish, Japanese, Thai**SOFTWARE****Printer Command Languages:** Compatible to ZPL, ZPL II, DPL, EPL**Drivers:** Windows printer driver, CUPS driver for Linux, Device Types for SAP, label design and print package**Application:** BarTender**Character Sets:** English and Extended Latin, Arabic, Baltic and Baltic Rim, Cyrillic, Greek, Hebrew, Thai, Turkish, Vietnamese and more with Monotype Universal Font Scaling Technology (UFST) and World Type Layout Engine (WTLE)**GRAPHICS AND BARCODES****Native Graphic Formats:** 1-bit BMP, GIF, PCX, PNG**Barcode Symbolologies:** All major 1D and 2D symbolologies supported, including Aztec, Code 16K, Code 49, Data Matrix, Dot Code, EAN-8, EAN-13, EAN/UCC 128, Grid Matrix, HIBC39, HIBC128, MaxiCode, MSI (modified Plessey), PDF417, Micro PDF417, Planet, Plessey, Postnet, QR-Code, RSS-14 (variations)**ENVIRONMENTAL****Operating Temp:** +41°F to +104°F (+5°C to +40°C) @ 10 to 80% RH non-condensing**Storage Temp:** -40°F to +140°F (-40°C to +60°C) @ 10 to 90% RH**APPROVALS & WARRANTY****Regulatory:** CE**Safety:** CB**3-year** warranty on printer**6-month** warranty on printhead

WHY JD240 DESKTOP PRINTER SUPPORT 300 DPI PRINTING?

End User Pain points without 300dpi printing or 600dpi printing:

- **Blurry small text and barcodes** — at 203 dpi, text below ~6pt becomes hard to read, and dense barcodes (especially 2D codes like Data Matrix) suffer from poor edge definition, leading to scan failures
- **First-scan failures at checkout/receiving** — fuzzy barcodes require multiple scan attempts, slowing down lines and frustrating workers — some retailers report **up to 20% re-scan rates** on 203 dpi labels
- **Can't fit required info on small labels** — without sharper resolution, labels need to be physically larger to remain legible, wasting media and shelf/product space
- **Poor brand impression** — logos and graphics on product labels look pixelated and unprofessional, especially noticeable on consumer-facing retail and cosmetics tags

	300 DPI PRINTING
Resolution	12 dots/mm — good for standard barcodes, shipping labels, and general text
Industries	Retail, Logistics, Warehousing, Healthcare, Manufacturing, Government
Use Cases	• Retail shelf & price labels Price tags, product info, planogram labels • Shipping & logistics labels Address, tracking, and routing barcodes • Asset & inventory tags Warehouse bin labels, IT asset tracking • Healthcare wristbands Patient ID bands and specimen labels
Customer Value	• First-pass scan reliability Crisp barcodes reduce errors, speed up checkout • Cost-effective high volume Faster speeds (up to 6 ips), lower printhead cost • Best quality-to-speed ratio Ideal upgrade from 203 dpi without losing throughput • Broad media compatibility Works with all standard label stocks and ribbons



WHY JD240 DESKTOP PRINTER SUPPORT LINERLESS PRINTING?

End User Pain points without linerless printing:

- **Constant liner waste buildup** — operators must manually clear discarded liner backing throughout the shift; in grocery delis and QSRs, liner waste fills bins **2–3× faster** than the labels themselves
- **Frequent roll changes** — standard lined rolls hold **~40% fewer labels** than equivalent linerless rolls, meaning more downtime swapping rolls during peak hours
- **Liner disposal costs** — liner waste is not easily recyclable; businesses pay for extra waste hauling, and it conflicts with sustainability commitments and ESG reporting
- **Fixed label sizes waste media** — lined labels come in pre-die-cut sizes, so a short receipt or a two-line ingredient list still consumes a full-size label; no way to print variable-length on demand
- **Sticky mess and jams** — liner peeling mechanisms jam, adhesive residue builds up on rollers, and operators deal with labels curling or sticking to each other in humid environments

	LINERLESS PRINTING
What It Is	Labels without a backing liner — no peel-and-stick waste. Variable-length labels cut on demand like a roll of tape.
Industries	Food Service, Grocery, QSR, Retail, Hospitality
Use Cases	• Food service & delivery labels Prep dates, expiry, ingredients on variable-length labels • Grocery & fresh produce Weigh-price labels at deli, bakery, and meat counters • Quick-service restaurants Order labels, bag seals, drive-through receipts • Retail markdown & promo labels Print-on-demand pricing with zero liner waste
Customer Value	• 40% more labels per roll No liner means more label area in same roll diameter • Zero liner waste Eliminate disposal costs and meet sustainability goals • Fewer roll changes Less downtime, higher throughput during peak hours • Variable-length labels Print only the length you need — no wasted blank space

