

JMD Series vs Tier-1 Enterprise Handhelds

Same **Zebra SE scan engines** used by Tier-1 flagships. Full 4G/5G, four-constellation GNSS, NFC and IP67/68 as standard. Android 14/15 shipped, upgradable to 18/19 — at roughly **1/3–1/2 the Tier-1 price**, with white-label and low-MOQ options.

1/3–1/2 TIER-1 PRICE	6 GB RAM STANDARD	18/19 MAX ANDROID UPGRADE	4G/5G + GNSS + NFC
IP67/68 RUGGED INGRESS	2.4 m DROP + MIL-STD-810H	White Label LOW MOQ PILOT	Ex / HC ATEX & MEDICAL

PRODUCT OVERVIEW

Enterprise fleets face a familiar dilemma: **budget says mid-range, operations demand flagship reliability**. Several Tier-1 mid-tier SKUs ship **Wi-Fi-only with no outdoor GPS**, and legacy entry models remain stuck on Android 8–10 — unable to run modern MDM, WMS and security policies. Meanwhile, ATEX-rated and medical-grade form factors are simply not offered at all.

The JMD Series closes every one of these gaps. Built on the **same Zebra SE scan engines** as Tier-1 flagships, every model ships with **4G/5G, four-constellation GNSS and NFC**, a modern Android platform with a 5+ year upgrade path, and IP67/68 ruggedness — at a price that keeps projects alive.

Android 1–4 generations ahead Ships on Android 14/15, upgradable to 18/19 — 5+ years of security updates. Runs today's enterprise apps the Tier-1 legacy tier can no longer install. Longer device life = lower TCO.	Full connectivity, nothing stripped out 4G/5G + four-constellation GNSS + NFC on every model — while several Tier-1 mid-tier units ship Wi-Fi-only with no GNSS. Your workforce stays locatable and online outdoors.
Same Zebra SE scan engines Identical decode silicon as Tier-1 flagships. Damaged codes, screen codes, long range — same performance, zero re-validation, drop-in replacement for existing fleets.	Rugged by default — IP67/68 + 1.3–2.4 m drops K40 adds MIL-STD-810H (vibration, thermal shock, dust/sand) — a hard gate in many industrial & government tenders. Lower breakage = lower opex.
Zero-competition niches: Ex-ATEX & medical variants S65Ex / T80Ex intrinsically-safe (ATEX) and T80HC medical-grade disinfectable — categories no Tier-1 vendor offers. No deal lost on safety bids.	~1/3–1/2 the price, with margin to spare At similar spec, you undercut Tier-1 by 30–60%. Protect margin on every deal — or win deals you'd otherwise lose on budget.

USE APPLICATIONS

Retail Price checks, inventory, click-and-collect, mobile POS.	Warehouse Receiving, put-away, picking, packing, cycle counts.	Field Service Route delivery, proof-of-delivery, asset tracking.	Manufacturing WIP tracking, quality control, shop-floor logistics.
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HEAD-TO-HEAD — SPEC SNAPSHOT

Numbers represent the Tier-1 lineup at comparable tiers. JMD's advantage is not one spec — it is the combination of modern Android, full connectivity, shared Zebra scan engines and rugged design at a lower total cost.

SPEC	JMD SERIES	TIER-1 ENTRY	TIER-1 MID	TIER-1 FLAGSHIP
PLATFORM & SOFTWARE				
Android	14/15 → 18/19 ▲	8.1–10 (stuck)	11–14	11–16
CPU generation	A75/A76/A78 octa-core 2.0–2.5 GHz	A53-class 1.4–1.8 GHz	Snapdragon 660-class	Snapdragon Gen1-class 2.7 GHz
RAM / ROM	6/64 std · 8/128 premium	2–3 GB / 16–64 GB	3–4 GB / 32–64 GB	4–8 GB / 64–128 GB
CONNECTIVITY				
Cellular	4G std · 5G (S65/K40/T80)	Wi-Fi only ✕	Wi-Fi only on most	5G
GNSS	GPS+GLONASS+BeiDou+Galileo+AGPS (K40: L1+L5)	Missing ✕	Missing / basic	Basic
NFC	Standard on all ✓	No	Optional	Optional
Wi-Fi	Wi-Fi 5 → 6E (K40: 6E 2×2 MU-MIMO)	Wi-Fi 4/5	Wi-Fi 5	Wi-Fi 6E
RUGGEDNESS & POWER				
Ingress	IP67 / IP68 (T80)	IP54–IP65	IP54–IP65	IP65–IP67
Drop	1.3–2.4 m (K40 + MIL-STD-810H)	1.2 m	1.5 m	1.5–2.4 m
Battery	5,000–7,000 mAh, hot-swap options	3,000 mAh	3,300–4,680 mAh	4,680 mAh
DATA CAPTURE & COMMERCIAL				
Scan engine	Zebra SE47xx / SE55 / CM60	SE2100-class	SE4710-class	SE4710/SE4770-class
Camera	8–16 MP (premium 48/50 MP)	5 MP	13 MP	13–48 MP
White-label / OEM	Yes, low MOQ	No	No	No
Target price vs Tier-1	~1/3–1/2	1×	1×	1×

▲ = JMD advantage · ✕ = missing on the Tier-1 entry tier. Figures are representative of the Tier-1 lineup (entry / mid / flagship) at comparable SKUs. Scanner engines are shared hardware — decode performance is identical, so migration requires no re-validation.

PRODUCT LINE — PICK THE RIGHT JMD

Four form factors share the same Zebra SE engine family and charger ecosystem.

POCKET JMDD40 › 4" WVGA · 245 g · Android 15 → 18	LARGE-SCREEN JMDS65 › 6.5" HD+ · 285 g · Android 14 → 18	INDUSTRIAL JMDK40 › 4" rugged · MIL-STD-810H · Android 15 → 19	TABLET JMDT80 › 8" WUXGA · IP68 · Android 15 → 19
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› Zebra SE47xx / SE55 / CM60

› 4G LTE, four-constellation GNSS

› IP67, 1.8 m drop

› 5,000 mAh, dual SIM

Retail, field service, delivery

› Zebra SE47xx / SE55 / CM60

› 5G + 4G, GNSS, NFC

› IP67, 1.5 m drop

› 5,050 mAh removable

Inventory, retail floor, logistics

› Zebra SE47xx / SE55 / CM60

› 5G private/public, L1+L5 GNSS

› IP67, 2.4 m drop

› 7,000 mAh, 3 keyboard options

Warehousing, manufacturing

› Zebra SE47xx / SE55 / CM60

› 5G, 600 nits, stylus ready

› IP68, 1.3 m drop

› 6,050 mAh, hot-swap option

Mobile POS, inspection, T80HC medical

FAQ — QUESTIONS PROCUREMENT TEAMS ASK

Q. Is the scan performance really the same as Tier-1 devices?

A. Yes. JMD uses the same Zebra SE4710, SE4720, SE4770, SE4750, SE55 and CM60 scan engines found in Tier-1 flagship terminals. Decode speed, damaged-code recovery and scan range are identical, so there is no re-validation risk.

Q. Which JMD model replaces a Tier-1 TC21 or TC25?

A. For light field/retail work, the JMDD40 is the closest match with physical keys, 4G and IP67. For larger-screen inventory tasks, the JMDS65 matches the TC5x-class form factor with 5G and a 6.5" display.

Q. Do you support white-label or OEM branding?

A. Yes. Low-MOQ pilot orders, custom boot logo, packaging and SKU customization are available. This lets distributors and VARs build a branded line without conflicting with existing Tier-1 inventory.

Q. What is the minimum order quantity?

A. MOQ depends on configuration and customization. Standard SKUs start at single-digit units for evaluation; branded/OEM projects scale from low hundreds. Contact us with your target volume and region.

Q. Are ATEX or medical versions available?

A. Yes. S65Ex and T80Ex are ATEX-rated for hazardous environments; T80HC is a medical-grade disinfectable tablet. These are segments where Tier-1 currently has no direct competing model.

Request a Quote or Pilot Unit

Tell us your project scale, target product and region. We typically reply within one business day with channel pricing, MOQ and lead-time — including white-label / OEM options and regional certification guidance.

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