

JMDK40 vs Tier-1 Gun-Style Computers

5G gun-style mobile computer with **MIL-STD-810H**, dual-band GNSS, 7,000 mAh battery and the same **Zebra SE scan engines** as Tier-1 flagships — at roughly half the Tier-1 price.

5G + DUAL-BAND GNSS	7,000 mAh ALL-DAY BATTERY	MIL-STD-810H MILITARY STANDARD	19 MAX ANDROID UPGRADE
IP67 + 2.4 M DROP	6 GB RAM STANDARD	3 Keyboards 29 / 38 / 47-KEY	~1/2 TIER-1 FLAGSHIP PRICE

PRODUCT OVERVIEW

Warehouse and 3PL operations live or die by scan speed, uptime and device survivability. Yet many Tier-1 gun-style computers ship **Wi-Fi-only with no GNSS**, and large installed fleets remain stuck on **Android 8.1**. 5G and GNSS usually appear only at the flagship tier — at a flagship price.

The JMDK40 delivers the same gun-style form factor (29/38/47-key options) and the same **Zebra SE scan engines** as Tier-1 flagships, but adds **5G, dual-band GNSS, MIL-STD-810H and 7,000 mAh battery** as standard. It is the direct replacement for aging entry-tier fleets and a lower-cost alternative to new flagship rollouts.

5G + dual-band GNSS on every unit Many Tier-1 gun-style models are Wi-Fi-only with no GNSS; 5G + GNSS typically appears only at the flagship tier. For yard, fleet and outdoor warehouse use, JMDK40 is ready out of the box.	Android 15 → 19, not legacy builds Large installed fleets still run Android 8.1 — 3–4 generations behind. JMDK40 ships Android 15 with a 5-year upgrade path, running modern WMS, MDM and security policies without workarounds.
6 GB RAM standard JMDK40's base 6 GB RAM is well above the 2–3 GB common on entry-tier devices. Less lag, smoother multi-app workflows and longer useful life.	MIL-STD-810H + 2.4 m drop JMDK40 meets MIL-STD-810H for vibration, thermal shock and dust/sand, plus 2.4 m drops to concrete. Entry-tier models are commonly IP54–IP65. JMDK40 matches flagship-tier ruggedness at a lower price.
7,000 mAh all-day battery A 7,000 mAh removable battery supports the longest shifts and high-scan-volume days. Combined with Wi-Fi 6E and BT 5.4, the K40 keeps workers productive from first pick to last truck.	Same Zebra SE scan engines, lower cost JMDK40 offers SE4710/SE4720/SE4770/SE4750/SE55/CM60 options — the same engine family as Tier-1 flagships. Decode performance is identical, so migration needs no re-validation.

USE APPLICATIONS

Warehouse	3PL & Distribution	Manufacturing	Yard / Field Operations
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High-volume picking, put-away, cycle counts, cross-dock operations.	Multi-client freight handling, yard management, proof-of-delivery scans.	WIP tracking, raw-material staging, finished-goods labeling, quality audits.	Outdoor fleet dispatch, container tracking, rail/loading-dock operations with GNSS.
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HEAD-TO-HEAD — SPEC SNAPSHOT

JMDK40 matches the Tier-1 flagship form factor and scan-engine family, while outperforming many in-service entry-tier fleets on connectivity, OS generation, memory and ruggedness. The decisive advantage is full 5G + GNSS as standard.

SPEC	JMDK40	TYPICAL TIER-1 GUN-STYLE COMPUTERS
PLATFORM & SOFTWARE		
Android	15 → 19 ▲	8.1–18 by tier
CPU	4xA78 @ 2.5 + 4xA55 GHz	Varies by model and tier
RAM / ROM	6/64 std · 8/128 premium	2–6/16–64 by tier
CONNECTIVITY		
Cellular	5G private/public ▲	None on many models; 5G at flagship tier
GNSS	L1+L5 four-constellation ▲	Missing on many models
NFC	Standard ✓	Optional to standard by tier
Wi-Fi	Wi-Fi 6E 2×2 MU-MIMO	Wi-Fi 5–6E by tier
Bluetooth	BT 5.4 (BLE)	BT 5.0–5.2 typical
RUGGEDNESS & POWER		
Ingress	IP67	IP54–IP67 by tier
Drop / Mil Std	2.4 m + MIL-STD-810H	1.5–2.4 m by tier
Battery	7,000 mAh	4,200–7,000 mAh by model
DATA CAPTURE & COMMERCIAL		
Scan engine	SE4710/SE4720/SE4770/SE4750/SE55/CM60	Varies by model and tier
Camera	16 MP (Premium 50 MP)	13–16 MP typical
Keyboard	29 / 38 / 47-key	29–47-key by model
White-label / OEM	Yes, low MOQ ▲	Not typical

▲ = JMD advantage. The competitor column reflects typical Tier-1 gun-style mobile computer specifications; individual models vary. JMDK40 uses shared Zebra scan-engine hardware — decode performance is identical, so migration requires no re-validation. For extreme long-range (high-bay) scanning, some Tier-1 extended-range engines still reach farther; JMDK40 covers the vast majority of picking and put-away workflows.

PRODUCT LINE — JMDK40 GUN-STYLE MOBILE COMPUTER

One rugged platform with three keyboard layouts and the same Zebra SE engine family as Tier-1 flagships.

INDUSTRIAL GUN-STYLE SCANNER	
JMDK40	
› 4" rugged display, 450 nits › Android 15 → 19 › Octa-core 4xA78 @ 2.5 GHz + 4xA55 › 6 GB RAM + 64 GB ROM std; 8+128 premium › 5G private/public (optional 4G)	› Wi-Fi 6E 2×2 MU-MIMO, BT 5.4 › GPS+GLONASS+BeiDou+Galileo, L1+L5 › Zebra SE4710/SE4720/SE4770/SE4750/SE55/CM60 › IP67, 2.4 m drop, MIL-STD-810H › 7,000 mAh removable battery

FAQ — QUESTIONS PROCUREMENT TEAMS ASK

Q. Which Tier-1 model is the closest equivalent to JMDK40?

A. Form factor and keyboard options match the Tier-1 flagship gun-style class (29/38/47-key + gun grip). JMDK40 adds 5G and dual-band GNSS as standard, which many in-service models lack; flagship models that match connectivity sit at a higher price point.

Q. Can JMDK40 replace aging Android 8 fleets?

A. Yes. JMDK40 is purpose-built as a drop-in replacement: same engine family, similar ergonomics, but with modern Android 15, 5G, GNSS, 6 GB RAM and IP67/2.4 m/MIL-STD-810H ruggedness. It directly solves the Android 8.1 end-of-life problem on older fleets.

Q. Is the scan range the same as Tier-1 flagships?

A. For standard near-to-mid range, yes — JMDK40 uses the same Zebra SE4710/SE55/CM60 engines. For extreme long-range (high-bay warehouse), some Tier-1 extended-range engines still reach farther; JMDK40 covers the vast majority of picking and put-away workflows.

Q. Does JMDK40 support private 5G networks?

A. Yes. JMDK40 supports both private and public 5G, making it suitable for modern warehouses and manufacturing plants deploying their own 5G LAN.

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

A. Yes. Low-MOQ pilot orders, custom boot logo, packaging and SKU customization are available for distributors and systems integrators building their own industrial handheld line.

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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