

5G RUGGED KEYBOARD MOBILE COMPUTER

JMDK40 Mobile Computer

High-Velocity Scanning & Data Entry for Warehouse, Logistics & Industrial Operations



Keys That Keep Up with High-Velocity Work — 29-, 38- or 47-key layouts plus programmable side scan buttons deliver the tactile speed warehouse teams need — rarely matched with this level of processor and 5G headroom.

Shift-Long Battery, Warehouse-Tough — a 7,000 mAh battery, 2.4 m drop protection, and MIL-STD-810H compliance take on double shifts and hard floors.

5G + Wi-Fi 6E for Real-Time Operations — private/public 5G, Wi-Fi 6E, and 2x2 MU-MIMO keep WMS and voice-picking flowing between buildings and yards.

Enterprise-Class Long-Range Scanning — choose SE4710 through SE55 / CM60 imagers to read barcodes from floor level to top racks in a single device.

Capture Every Detail — a 16 MP PDAF rear camera (premium 50 MP) documents damage, serial numbers, and proof-of-condition faster than typical 13 MP enterprise devices.

WAREHOUSE & 3PL

- > High-volume picking & packing
- > Inbound/outbound scanning
- > Cold-storage operations
- > Cross-dock & sortation

MANUFACTURING

- › Work-in-process tracking
- › Raw-material issuing
- › Quality-control checkpoints
- › Finished-goods labeling

TRANSPORTATION & LOGISTICS

- › Freight yard checks
- › Route delivery & POD
- › Fleet maintenance logs
- › Driver dispatch terminals

PRODUCT OVERVIEW

High-volume warehouses and industrial operations punish mobile devices: concrete floors, cold aisles, constant scanning, and two-shift schedules leave consumer-grade hardware broken and undercharged by midday. Keyboard-driven devices solve the data-entry bottleneck, but many competing models are aging — outdated Android versions, Wi-Fi-only connectivity, and heavy, unwieldy designs. The JMDK40 is built for exactly that reality. It pairs 29-, 38-, or 47-key layouts with 5G and Wi-Fi 6E connectivity, MIL-STD-810H toughness, and a 7,000 mAh battery sized for double shifts. A 2.4 m drop rating and IP67 sealing survive the drops, dust, and humidity that happen every day on a warehouse floor, while SE-series imagers (SE4710 through SE55 / CM60) read barcodes from floor level to top racks. Customers pick the keyboard layout that matches the task — fast numeric entry for pickers, full alpha entry for inventory clerks, or a balanced layout for mixed-use teams — and resellers can private-label the entire platform with low MOQs.

Why Choose the JMDK40

Keyboard-driven speed, rugged endurance, and 5G connectivity for industrial workflows

Three Keyboards for Three Kinds of Work

Unlike one-size-fits-all keyboard devices, the K40 offers 29-key numeric, 38-key function numeric, and 47-key alphanumeric layouts. Choose numeric speed for high-volume picking, alpha entry for inventory adjustments, or the full layout for multi-purpose field teams. All layouts are field-replaceable.

Power for the Longest Shifts

The 7,000 mAh removable battery is sized for double shifts and high-scan-intensity days. Teams can add a spare battery and swap on the fly, or use the quad-bay charger to keep a pool of charged batteries ready at every shift change.

Tougher Than the Daily Drop

IP67 sealing, 2.4 m drops to concrete, and MIL-STD-810H testing put the K40 in the same rugged class as premium industrial handhelds. It works from -20°C to 50°C, so it survives freezer aisles, loading docks, and summer yards.

5G and Wi-Fi 6E for Real-Time Warehousing

Private or public 5G, Wi-Fi 6E, 2x2 MU-MIMO, and Bluetooth 5.4 give the K40 the wireless bandwidth modern WMS and voice-picking systems demand. Roaming between warehouse Wi-Fi and private 5G is seamless, keeping workers connected between buildings and yards.

Long-Range Scanning from Floor to Top Shelf

With SE4710, SE4720, SE4770, SE4750, SE55, or CM60 imagers, the K40 reads barcodes at close range and across warehouse aisles — the same scan-range flexibility as leading Tier-1 portfolios, eliminating the need for separate near-field and long-range devices.

High-Resolution Proof Capture

A 16 MP PDAF rear camera (premium 50 MP) captures clear damage photos, equipment serial plates, and delivery documentation. The 5 MP front camera supports video calls and remote troubleshooting, reducing the need for on-site specialist visits.

Accessories for Every Mount and Hand

A rugged boot, hand strap, scan handle, single charging cradle, and quad-bay battery charger let the K40 transition from belt-worn picking to cart-mounted inventory audits. The bottom Pogo Pin enables fast docking in vehicle or fixed-station mounts.

ENTERPRISE SPECS, PLAIN-ENGLISH VALUE

What the rugged specs mean for your daily operations

IP67 + Gorilla Glass

Dust-tight, water-resistant and scratch-resistant for the toughest warehouse floor conditions.

2.4 m Drop + MIL-STD-810H

Certified for repeated falls from forklift cab or top-shelf height, plus vibration and temperature shock - a hard requirement in many industrial tenders.

Dual-Band GNSS (L1 + L5)

Higher-accuracy positioning for yard, fleet and asset location in dense or covered environments.

Android 15 to 19 Roadmap

One of the longest upgrade windows in its class; stays secure and app-compatible for years.

5G + Wi-Fi 6E

Voice-directed picking and heavy data sync without congestion, even on crowded warehouse floors.

Three Keyboard Options

29 / 38 / 47-key variants match each job - numeric entry, function workflows or full alphanumeric data capture.

Technical Specifications

Specifications are based on standard configuration. Premium options and regional SKUs may vary.

Physical Characteristics	
Dimension	204 x 74.5 x 33.5 mm
Weight	< 500 g (with battery)
Keypad	29-key numeric, 38-key function numeric, or 47-key alphanumeric; 2 programmable side scan buttons
Display	
Size / Resolution	4.0" TFT, 480 x 800, 450 nits
Protection	Corning® Gorilla® Glass
Touch	Multi-point capacitive, glove/wet hand operation
Performance	
Operating System	Android 15 (upgradable to Android 19)
Processor	Octa-core, 4 x Cortex-A78 up to 2.5 GHz + 4 x Cortex-A55
Memory	Standard: 6 GB RAM + 64 GB ROM; Premium: 8 GB RAM + 128 GB ROM
Connectivity	

Physical Characteristics	
WWAN	5G private / public (optional 4G LTE)
WLAN	IEEE 802.11 a/b/g/n/ac/ax (Wi-Fi 6E), 2x2 MU-MIMO
Bluetooth	Bluetooth 5.4 (BLE)
GNSS	GPS + GLONASS + BeiDou + Galileo + AGPS, L1 + L5
NFC	13.56 MHz, ISO14443A/B, ISO15693, up to 30 mm
SIM	Nano-SIM + MicroSD; eSIM optional
Data Capture	
Scanner Engine	Zebra SE4710 / SE4720 / SE4770 / SE4750 / SE55 / CM60
Camera	Rear: 16 MP PDAF (Premium: 50 MP PDAF); Front: 5 MP FF
User Environment	
Ingress Protection	IP67
Drop Spec	Multiple 2.4 m drops to concrete
Military Standard	MIL-STD-810H compliant
Operating Temp	-20°C to +50°C
Storage Temp	-40°C to +70°C
Humidity	0% to 95% non-condensing
ESD	±15 kV air, ±8 kV contact
Audio / Sensors / Interfaces	
Audio	Speaker, microphone, vibrator, LED indicator x 2
Sensors	Tri-accelerometer, light, distance, gyro, e-compass
I/O Ports	USB Type-C (OTG + charging + earphone), bottom Pogo Pin charging
Power	
Battery	3.8 V / 7,000 mAh removable Li-ion
Accessories	
Standard	USB cable
Optional	Hand strap, rugged boot, scan handle, Quad Bay Battery Charger, Single Charging Home Base

