

JMD63C Mobile Computer

A reliable, long-lasting mobile computer built for high-volume daily operations

Datalogic Ultra-Rapid 1D/2D Scan Engine

13ms Decode, 1.3MP Engine

100dB Speaker Output

Loud & Clear Audio for Noisy Environments

Keypad-Based Operation

Physical keypad for faster, glove-friendly

5000mAh Hot-Swappable

30-hour shift life

IP65 + 1.8m Drop Screen Durability

Military-grade, 1 meter 10,000 times drop

Product Overview

The JMD63C is designed to optimize operational efficiency—delivering longer runtime, higher reliability, and lower total cost of ownership in real-world deployment scenarios in warehouse, logistics, and manufacturing environments.

Built on a stable Android 14 platform with a durable keypad design, it delivers consistent performance for data capture and task execution. Its third-generation scan engine provides fast and reliable barcode decoding, while the 5000mAh replaceable battery supports up to 30 hours of continuous operation, enabling full multi-shift usage without interruption.

Purpose-built for cost-sensitive deployments, the JMD63C prioritizes operational efficiency over unnecessary complexity. The physical keypad delivers fast input and repetitive numeric input (quantities, SKUs, IDs), ensuring efficient in warehouse and cold-chain workflows.



**LONG DUTY-CYCLE
MOBILE COMPUTER**

Use Applications

Retail POS & Inventory

- Checkout
- Stock Counts
- Shelf Replenishment
- BOPIS

Warehouse & Logistics

- Picking
- Packing
- Shipping Verification
- Cross-docking

Manufacturing

- WIP Tracking,
- QC Inspection
- Line-side Replenishment

Healthcare

- Patient ID,
- Medication Admin
- Specimen Tracking
- Asset Management

Field Service

- Work Orders
- Asset Inspection
- Proof Of Delivery
- Route Optimization

Agriculture & Utilities

- Crop Monitoring
- Livestock Tracking
- RTK Precision Mapping



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Up to 30-hour battery life for uninterrupted multi-shift operation

In high-volume operations, battery changes and charging cycles introduce hidden downtime, require spare devices, and complicate device management. With 5000mAh battery and up to 30 hours continuous operation, enabling true multi-shift usage without recharging or device rotation.

A single-device, multi-shift runtime reduces operational complexity and lowers total deployment cost in large fleets.

Reliable scanning performance in low-light and damaged barcode conditions

In daily operations, scanning failures are more often caused by label quality and environment—not scanning speed. JMD63C provides scan speed for 1D < 30ms and 2D < 60ms with +25% low-light and damaged code sensitivity, the stable and consistent barcode decoding across common real-world scenarios, including low contrast, poor lighting, and damaged labels.

Rugged design built for long-term durability and reduced failure rate

Device failures don't just create repair costs—they disrupt workflows, require replacements, and impact operational continuity. JMD63C mobile computer engineered to withstand 1.5m drop (30x) and 1.8m drop (60x with case) repeated drops and daily wear, reducing device failure rates over time.



Physical keypad for faster, glove-friendly operation

Integrated numeric keypad enables fast input and reliable operation in gloves, cold storage, or wet environments. JMD63C 20-key numeric keypad with dedicate scan and function button often outperform in speed and accuracy for repetitive input tasks such as inventory entry and quantity adjustment in warehouse and cold-chain workflows.

Loud & Clear Audio in Industrial Noise Environments

Advanced acoustic design delivers up to 100 dB speaker output and dual microphone noise reduction, it ensures alerts, instructions, and communication are clearly heard in in real industrial environments

Flexible Configuration for Scalable Deployment

Designed as a scalable platform with multiple configuration options:

- Accessories: cradle, docks, battery, strap, etc.
- SIM + TF expansion
- Multiple memory options

Supports scalable deployment across different workflows and user scenarios.



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Product Spec

Operation System

OS	Android 14
Platform	Octa-core 2.0GHz (2 × A75 + 6 × A55)
Memory	RAM: 3GB / 4GB
Storage	Flash: 32GB / 64GB
Expansion	TF Card x 1 (up to 256GB)
Interface	USB 2.0 Type-C (Charging & Data)

Connectivity & SIM

Bluetooth	BLE V5.0
NFC	Optional NFC 13.56 MHz
GPS	GPS / GLONASS / Galileo, Assisted GPS
WLAN	IEEE 802.11 a/b/g/n/ac (dual-band Wi-Fi, IPv4 / IPv6)
WWAN	2G / 3G / 4G
SIM	Nano SIM x 1

Physical

Weight	279g (including battery)
Dimensions	165.86 × 67 × 19.22 mm
Display	4-inch IPS, 800 × 480 resolution
Touch Panel	GFF capacitive touch, multi-touch
Keypad	20-key numeric keypad, dual scan keys, back key, power key

Camera & Audio

Rear Camera	8MP, Auto Focus, Flash
Front Camera	5MP (optional), Fixed Focus
Speaker	100 dB
Microphone	Dual microphone with noise cancellation

Sensor

Sensors	Gravity sensor (standard) Proximity sensor (optional) Light sensor (optional) Hall sensor (optional)
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Environment

Storage Temp.	-30° C to 70° C
Operating Temp.	-25° C to 55° C
Operating Humidity	5% – 95% (non-condensing)
ESD Protection	8kV / 15kV

Ruggedness

IP Rating	IP65
Drop	1.5m drop: 30 times 1.8m drop: 60 times (with protective case)
Tumble	2000 × 0.5m (no case) 3000 × 0.5m (with case)

Battery

Battery	5000mAh, replaceable
Adapter	5V / 2A, AC 100–240V, 50/60Hz

Accessories



Single Charging Cradle



4-slot Charging Cradle



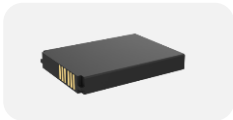
4-slot Battery Charging Cradle



Shoulder Strap



Wrist Strap



Battery



Holster

