

JMD94C Mobile Computer

Powered by Qualcomm and Datalogic for the Frontline without Compromise

Faster, Tougher, and More Flexible Than Standard Value-tier Mobile Computers.

**Datalogic
Ultra-Rapid
1D/2D Scan
Engine**

13ms Decode,
1.3MP Engine

**6" HD Glove &
Wet Touch**

600 nit Bright,
Sunlight
Readable

**Wi-Fi 6 + 4G
LTE Dual-SIM**

2x2 MIMO,
seamless
roaming

**Qualcomm
2.8GHz Octa-
Core**

4nm flagship
SoC with AI
acceleration

**5000mAh Hot-
Swappable**

18-hour shift
life, optional
6000mAh

**IP65 + 1.8m
Drop Screen
Durability**

Military-grade,
1 meter 10,000
times drop

Product Overview

The JMD94C is a high-performance enterprise mobile computer designed to deliver faster scanning, stronger durability, and greater flexibility at a competitive cost.

Powered by a Qualcomm 2.8GHz platform with Wi-Fi 6, it ensures smooth performance in high-demand environments. Integrated with Datalogic advanced scan engine achieves 13ms (1D) and 22ms (2D) decoding, enabling faster workflows even with damaged or low-quality barcodes.

With an 18-hour battery, IP65 protection, and support for thermal imaging and high-precision positioning, the JMD94C extends beyond traditional warehouse use into field service and inspection applications—helping enterprises improve productivity while reducing total cost of ownership.



• 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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High-Performance Platform for Demanding Workflows

Powered by a Qualcomm SM6225 octa-core processor (up to 2.8GHz, 6nm process), delivering 2–3 × higher performance vs typical competitors. Combined with LPDDR4X memory and UFS storage (up to 800% faster data throughput), the device ensures smooth operation for WMS, scanning, and real-time applications without lag.

Ultra-Fast Scanning with Industry-Leading Decode Speed

Delivers industry-leading decode speed with a third-generation scan engine + proprietary sBoost acceleration, achieving: ~13 ms (1D) / ~22 ms (2D) decode speed, 4–20 × faster data processing performance and up to 6 × improvement vs standard Android ISP imaging. Advanced triple-lens optics and BSI sensor improve scan success under challenging conditions.

Reliable Scanning in Low-Light, Damaged & Long-Range Scenarios

Engineered for real-world barcode challenges with +25% light sensitivity improvement (BSI sensor), and +25% depth-of-field increase, with enhanced exposure control for faster image capture, accurately reads damaged labels, low-contrast barcodes, and distant small codes in industrial environments.

Extreme Durability That Reduces Total Cost of Ownership

Built with reinforced lithium-aluminosilicate glass and rugged structural design, up to 10,000 drops (1m) without screen breakage 1.5–3 × stronger glass vs standard materials and up to 90% reduction in LCD damage rate, the metal frame + impact-resistant housing ensures long-term reliability in harsh environments.



All-Day Operation with Proven 18-Hour Runtime

Optimized for continuous operation with intelligent power management across CPU, display, and scanning system up to 18 hours real-use operation (Wi-Fi ON, screen ON, scan every ~9 seconds), equipped with 5000mAh battery, optional 6000mAh upgrade, ensure full-shift operation without interruption

High-Visibility Display for Any Working Environment

6-inch HD+ display with up to 600 nits brightness, ensuring visibility even under direct sunlight. Enables reliable outdoor usage (logistics yard, field work, delivery)

Loud & Clear Audio in Industrial Noise Environments

Advanced acoustic design delivers up to 100 dB speaker output 10–15 dB higher perceived loudness vs traditional designs, maintains clear alerts and communication in noisy environments. Highly reduces missed instructions

Flexible Platform with Industry-Specific Configurations

Designed as a scalable platform with multiple configuration options:

- High-precision GNSS (sub-meter / centimeter-level positioning)
- Integrated thermal imaging (inspection & safety use cases)
- Healthcare version (antibacterial housing, certifications)



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Product Spec

Operation System

OS	Android 14
Platform	Qualcomm: 8-core 2.8GHz
Memory	LPDDR4X, 4GB / 8GB
Storage	UFS, 64GB / 128GB
Interfaces	USB 2.0, Charging Port, Rear Expansion Interface (Qualcomm optional)

Connectivity

Bluetooth	BLE V5.2
NFC	NFC 13.56 MHz
GPS	GPS / GLONASS / Galileo / Beidou, Assisted GPS
High-Precision Positioning	Optional (Sub-meter / Centimeter / Millimeter level)
WLAN	MTK: 802.11 a/b/g/n/ac, 5 GEM Qualcomm: Wi-Fi 6 ready, 802.11 a/b/g/n/ac/ax
WWAN	GSM: B5, B3, B8, B2 UMTS: B1/B2/B5/B8 FDD LTE: B1/B3/B5/B7/B20/B28 TDD LTE: B34/B38/B39/B40/B41 CDMA BC0 (Varies by region)

Physical

Weight	290g (including battery)
Dimensions	170 × 78 × 15 mm
Display	IPS, 6-inch HD
Touch	Glove mode, Wet-hand operation
Adapter	5V / 2.4A (12W)
SIM / Storage	Dual Nano SIM + TF card (up to 256GB)

Accessories



Single Charging Cradle



4-slot Charging Cradle



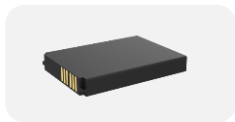
4-slot Battery Charging Cradle



Shoulder Strap



Wrist Strap



Battery



Holster

Camera & Audio

Rear Camera	13MP, Auto Focus, Flash
Front Camera	8MP (optional)
Infrared Camera	High-end version optional (industrial thermal imaging / night vision / long-range detection support)
Speaker	100 dB
Microphone	Dual microphone with noise cancellation

Sensor

Sensors	Accelerometer, Gyroscope, Ambient Light Sensor, Proximity Sensor, Barometer, Compass, Hall sensor (varies by configuration)
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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 & Tumble	• 1.5m drop: 30 times • 1.8m drop: 60 times (with protective case) • 1000 × 0.5m tumbles (no case) • 2000 × 0.5m tumbles (with case)

Battery & Control

Battery	5000mAh, replaceable
Keypad	Left/Right scan key, Volume ±, Power key, Custom key (K1)

