



# ME74

## Ultra-Rugged Mobile Computer

Reliability Redefined for Extreme Conditions and  
Critical Workflows



### Engineered for Extreme Conditions and Durability

The ME74 thrives in freezing conditions with advanced cold-chain features. A heated scanner window, freezer-rated battery, and smart sensors prevent condensation during temperature shifts, protecting vital components. With IP68 protection and durability from -30°C to 60°C, it ensures seamless performance in any harsh environment.

### Enterprise-Grade Security and Compatibility

Powered by Android 13 with AER certification, the ME74 ensures robust security and compatibility with key enterprise apps through GMS. Regular security patch updates safeguard data and streamline integration, making it a reliable tool for corporate workflows.

### Cutting-Edge Scanning Precision for Every Distance

The ME74 offers flexible scanning with Zebra and Honeywell modules, enabling precise barcode capture at close, middle, and long-range distances, even up to 28 meters. PRZM technology ensures lightning-fast recognition, even for damaged, faded, or contaminated codes, delivering unmatched efficiency for warehouse and logistics operations.

### Always Connected with Wi-Fi 6/6E Seamless Roaming

The ME74 uses Wi-Fi 6/6E technology for reliable, high-speed wireless performance. Its seamless roaming ensures smooth transitions between access points without signal drops or data loss, keeping your operations running smoothly in expansive warehouses and dynamic workflows.



Android 13



Qualcomm CPU



5200mAh/6000mAh



IP68



Wi-Fi 6/6E & 5G



4.3" (480 x 800)

# Main Features



## Operating System

Android 13 (GMS & AER),  
Upgradeable to Android 18



## Processor

Qualcomm QCM4490/QCS4490  
Octa-core 2.4GHz;  
Energy-efficient, multitasking optimized.



## Display

4.3 in WVGA (480 x 800) IPS; multi-mode  
capacitive with wet/glove touch; Corning  
Gorilla Glass III; Brightness: 450 NIT.



## Memory

Standard:  
RAM 4GB / ROM 64GB;  
Optional:  
RAM 8GB / ROM 128GB



## Extend Memory

Supports Micro SD cards up to 512GB  
(Class 2 to Class 10, UHS-I).



## Barcode Scanner

Zebra SE4770/SE4750SR/SE4850/SE5800,  
Honeywell HS7/EX30/N6803FR, MEFERI SE5070;  
ultra-fast 1D/2D barcode scanning with intelligent  
image capture for printed, electronic, damaged,  
dirty, and poorly readable codes Scan  
Confirmation: sound, LED, vibration.



## NFC

13.56MHz; ISO 14443 Type A and B, FeliCa,  
ISO 15693; Supports Card Emulation via Host,  
Reader, and P2P modes.



## Camera

Front Camera: 8MP; Rear Camera: 13MP;  
supports 1080p video recording,  
Torch mode, and Flash mode.



## Wireless WAN (WWAN)

5G, LTE, WCDMA, CDMA, GSM



## Wireless LAN (WLAN)

Wi-Fi 6/6E (2.4GHz, 5GHz, 6GHz) with MIMO 2x2, IEEE 802.11a/b/g/n/ac Wave 1 & 2 /ax (160MHz support).  
Seamless Roaming ensures uninterrupted transitions between access points  
(leveraging 802.11r fast roaming, OKC, PMKID caching). Supports IPv4/IPv6 and WPA3 security.



## Wireless PAN (WPAN)

BT 5.2 BR/EDR + BLE; HFP, PBAP, A2DP,  
AVRCP, OPP, SPP, GATT;  
High speed, low energy consumption.



## Navigation Features

GPS, A-GPS, GLONASS, Galileo, Beidou



## Voice & Audio

Dual noise-canceling mics, 2W speaker;  
headset connectivity via Bluetooth.



## Sensors

Light sensor, proximity sensor,  
magnetometer, 3-axis accelerometer.



## Buttons

Custom button (PTT-ready), Scan buttons  
(left/right), Volume buttons (+/-), Power  
button; enabling efficient operation and  
real-time communication.



## Connections & Interfaces

USB-C 2.0 with OTG;  
6-pin Pogo pin connector.



## Power

Battery Specification: Standard freezer-rated  
5200mAh battery with QC 4.0 fast charge to  
100% in 4 - 5.5 hours; optional 6000mAh  
battery with EnergyBooster+ technology for  
cold-chain operations. Hot-Swap requires  
optional 10F supercapacitor.



## Seal & Ruggedness

IP68 (fully dustproof and water-resistant for  
submersion); 6 ft / 1.8 m multiple drops to  
concrete over operating temp; withstands 1000  
hits (repeated tumbles from 1.6 ft / 0.5 m).



## User Environment

Operating Temp  
-30°C to 60°C, -22°F to 140°F  
Humidity  
5% to 95% non-condensing



## Dimensions (L×W×H)

220.2 x 81.4 x 29.6 mm  
8.67 x 3.2 x 1.17 in



## Weight

470 g / 16.58 oz (with 6000mAh battery)  
469.2 g / 16.55 oz (with 5200mAh battery)



## Standard Accessories

Power Adapter (plugs: EU, CN, US, GB);  
5200mAh Battery; USB-C Cable; Hand  
Strap.



## Optional Accessories

Single-Slot Cradle; 5-Slot Cradle; 1-Slot  
Battery Charger; 4-Slot Battery Charger;  
8-Slot Battery Charger; 20-Slot Battery  
Charger; Freezer-rated 6000mAh Battery  
(for cold-chain operations); Pistol Grip (Gun);  
Holster (for Gun); Shoulder Bag; Glass Screen  
Protector; Protective Boot.

## Learn More About ME74

Discover ME74 Ultra-Rugged Mobile Computer, built for extreme durability, seamless connectivity, and advanced scanning, ensuring  
top performance in the toughest environments. Perfectly crafted for demanding industries.

