MEFERI



ME74

Ultra-Rugged Mobile Computer

Reliability Redefined for Extreme Conditions and Critical Workflows

android enterprise recommended | GMS Google Mobile Services | MDM / EMM | SOTI | Shadowalk

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.

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.

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.

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 2×2, 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); Freezer-rated 5200mAh Battery (for cold-chain operations); 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; 6000mAh Battery; Pistol Grip (Gun); Holster (for Gun); Shoulder Bag; Screen Protector (Glass); Protective Boot; Forklift Mounting KIT.

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.

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*All specifications and designs are subject to change without further notice.