

ME40K Mobile Computer

The Ultimate Enterprise Mobile Computer — Empower Your Business with Unmatched Performance and Reliability

The ME40K Mobile Computer is more than a tool—it's your indispensable partner in today's complex landscape of logistics, warehousing, retail, and more. It stands as the ultimate choice for data capture and mobile computing, providing a seamless blend of durability, flexibility, and performance. With features meticulously designed to meet the demanding tasks of modern industries, ME40K is more than equipped to elevate your workflows to new heights of efficiency and productivity. Experience the cutting-edge power and flexibility that only ME40K can provide. Investing in ME40K means investing in a powerhouse aimed to revolutionize your business.



Superior Display Quality

The 4.0-inch WVGA display boasts an impressive 450 NITS of brightness, ensuring readability even under direct sunlight. With Luxibright technology, the display offers superb color reproduction, wide viewing angles, and exceptional sunlight visibility. The high-resolution display is ideal for complex applications, offering clarity and sharpness that redefine user expectations.

Power Management for All-day Operations

Never worry about running out of battery during critical operations. The ME40K comes with a 5180mAh high-capacity battery, capable of sustaining up to 20 hours of continuous usage. Our innovative EnergyBooster+ technology optimizes power consumption, while the Hot Swap Battery feature lets you swap out batteries without shutting down the device offering an additional 10 minutes of operation from a backup battery even if the main battery is fully depleted.

Leading-Edge Features

Relentless Durability for Unforgiving Environments

Built to withstand the daily rigors of industrial use, boasting an IP67 rating, the ME40K is housed in a rugged frame designed for challenging environments — whether it's a dusty warehouse or a wet dockyard. The device is engineered with high-quality materials and equipped with Corning Gorilla Glass III. Specialized scanner glass protection adds an additional layer of protection, ensuring your device stays operational no matter what.

Additional Rugged Protection for Maximum Reliability

Understanding the varied needs of our clientele, we offer an optional Rugged Rubber Protective Cover. This supplement transforms the ME40K into an almost indestructible device, capable of withstanding significant shocks and drops. Your investment is further safeguarded, ensuring that this versatile tool is available to you when you need it most.

Unparalleled Connectivity: Always in Touch

Stay connected wherever you are. The ME40K offers extensive connectivity options, including WLAN (WiFi), WPAN (Bluetooth), and WWAN (2G, 3G, 4G LTE). Whether it's dual nano SIM support or a mix of nano SIM and eSIM, this device ensures that you remain reachable and efficient, effectively eliminating downtime due to network issues.

Seamless Connectivity with Intelligent WiFi Roaming

ME40K boasts advanced WLAN features to sustain continuous, seamless connectivity. Experience the advantage of its WiFi seamless roaming capabilities, which facilitate automatic and smooth transitions between access points. Eliminate the risk of data loss and workflow interruptions in the most demanding industrial settings. The device supports both 2.4 GHz and 5 GHz frequencies, with data rates of up to 150 Mbps and 433 Mbps respectively, ensuring optimal performance for your enterprise needs.

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AER and GMS: Endorsed for Secure Enterprise Utilization

With Google Mobile Services (GMS) certification and Android Enterprise Recommended status, ME40K guarantees that you're equipped with the latest security patches and enterprise features for a minimum of five years, securing your long-term investment.



Blazing Performance for Uninterrupted Workflows

At the heart of ME40K lies a powerful Qualcomm Snapdragon SD662 octa-core processor, backed by a robust 4GB RAM and 64GB eMMC. This results in an incredibly fast device capable of handling multiple applications simultaneously, offering you the speed and versatility you need to stay ahead in today's fast-paced world.



Secure Your Data Like Never Before

Security is paramount, and with Android 12 OS and verified boot support, ME40K takes it seriously. The device comes equipped with multiple layers of advanced security features, protecting your confidential data from unauthorized access and potential risks. Enjoy peace of mind, knowing that your business data is secure.



Tailored Data Capture Solutions for Every Need

ME40K offers a selection of state-of-the-art scanning modules: choose from Zebra's SE4710 or SE4100, Honeywell's HS7, or Newland's CM60. Each offers rapid data recognition and image capture to suit your specific needs enabling you to capture even poorly printed, damaged, or low-contrast linear or two-dimensional barcodes with ease. Zebra scanners elevate your capabilities further with exclusive PRZM technology, allowing ultra-fast and highly accurate scanning of even challenging 1D and 2D barcodes. Choose ME40K and miss nothing critical.



Capture More with Exceptional Camera Capabilities

Step up your data capture game with ME40K's sophisticated camera system. The front-facing 5MP camera is tailored for video conferencing and essential document capture. The rear 13MP high-resolution camera adds another dimension, supporting PDAF for razor-sharp focus and 1080p video for dynamic visual data capture. With the added convenience of Torch and Flash modes, you're always equipped to capture data in any lighting condition. Choose ME40K for a complete, versatile imaging solution.



Precision Geolocation with Advanced Satellite Support

Unleash the power of ME40K's comprehensive geolocation capabilities, backed by the support of GPS, A-GPS, GLONASS, Galileo, and Beidou satellite systems. Whether navigating intricate warehouse layouts or tracking assets across extensive outdoor

spaces, the ME40K ensures highly accurate and instantaneous location data. Eliminate guesswork and elevate operational efficiency by leveraging cutting-edge satellite technology for precise real-time positioning.



Accessorize for Specific Needs

Personalize your ME40K with an array of specially designed accessories. From single-slot cradles for quick charging to 4-slot battery stations for large operations, we provide a multitude of options that can be tailored to your unique business needs.



Simplify Peripherals with Bluetooth 5.0

Enhance the functionality of your ME40K by connecting a range of peripherals via Bluetooth 5.0. This robust Bluetooth suite supports a variety of profiles, including HFP, PBAP, A2DP, AVRCP, OPP, SPP, and GATT, allowing for effortless pairing with mobile printers, headsets, and more. Elevate productivity by streamlining peripheral connectivity and reducing the need for cumbersome wired setups.



Smooth and Easy System Integration

Our device easily integrates with a variety of Enterprise Resource Planning (ERP) and Warehouse Management Systems (WMS), offering a seamless transition and immediate operational improvements. Compatibility is never an issue with the ME40K.



Unmatched Warranty and Support

When you invest in ME40K, you're backed by an industry-leading warranty and 24/7 customer support. Our dedicated teams are always ready to assist you with any queries or issues, providing you with uninterrupted, high-quality service. Elevate your business operations to a new level of excellence with the ME40K Mobile Computer—your ultimate tool for success in this ever-changing digital landscape.



Future-Ready Technology Through Integrated MDM Solutions

The ME40K is engineered for adaptability, ensuring your mobile computing needs never outgrow your hardware. With Firmware Over-The-Air (FOTA) updates, your device is always up-to-date with the latest features and security enhancements. What sets us apart is the seamless integration of these OTA updates with our proprietary Mobile Device Management (MDM) system, Shadowwalk by MEFERI. Offering centralized administration, advanced diagnostic tools, and robust data analytics, Shadowwalk makes it effortless to manage and update your ME40K fleet. Experience reduced downtime with FOTA updates directly administered through MDM Shadowwalk. Upgrade security patches and firmware across all devices without jumping through hoops. It's the future of mobile computing, simplified.

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Physical Characteristics

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|---------------------------------|---|
| Dimensions | 164.6 x 69.8 x 17.8 mm 6.48 in. x 2.75 in. x 0.7 in. |
| Weight | With battery: 288.5g / 10.18oz. Without battery: 190.3g / 6.71oz. |
| Display | 4.0 in. WVGA 480 x 800; |
| Display Protection | Corning Gorilla Glass III, 1.1mm thickness. The tough and durable glass that provides exceptional scratch resistance and protection against impacts |
| Scanner Glass Protection | Strong Protection of Scanning Module's The special protective frame (monolith part of the housing) around the glass of the scanning module. It provides maximum protection of the glass of the scanning module from hard impacts, falls, and careless use. The protection frame can withstand strong impacts from hard objects. |
| Touch Panel | Multi-mode capacitive touch, wet hand operation and glove operation, the screen sinks to prevent the screen from falling and breaking. |
| Display brightness, NIT | 450 NIT |
| Backlight | Luxibright technology consumes very little power, provides the best color reproduction, and viewing angles, no limitations for aspect ratios, better contrast levels, the best sunlight visibility, and true black colors. |
| Hot Swap Battery | The device features a "Hot Swap" battery mode, enabling a seamless battery exchange before complete discharge. The transition to the backup battery (50 mAh), facilitated by a HALL sensor during the battery swap, guarantees a minimum of 5 to 10 minutes of battery life. During this interval, the device enters a specialized standby mode, providing ample time to replace the battery without necessitating a full OS reboot. All Android system settings, including wireless network connections, are preserved; open applications remain active, and data integrity is maintained. Inserting a charged battery allows for immediate resumption of work, exactly where it was paused. |
| Extend Memory | Micro SD x1, max support up to 512GB |
| SIM | Standard: nano SIM x1 + eSIM x1 Option: nano SIM x2 |
| Notifications | Ring tone; three-color LED x2 (Status Indicator, Scanning indicator); vibrate alert |
| Power | High capacity battery 5180mAh (Rated voltage: 3.85V - Limited Charge Voltage: 4.4V), With Hot Swap battery mode. Support QC 3.0 quick charge up to 4 hours till 100% (full charge). EnergyBooster+ technology allow work up to 20 hours without charging (the test was performed at the interval of pressing the scan button every 3 seconds, and the screen is turned on and connected to a wireless network with constant ping.). |
| Network Connections | WLAN (WiFi), WPAN (Bluetooth), WWAN (2G, 3G, 4G LTE), Pogo Pin, USB 2.0, High Speed (Host and Client) |
| Keypad | On-screen keypad and enterprise physical alphanumeric keypad (21 physical keys) |
| Buttons | Function buttons (Programmable Buttons); Power button; Scan buttons from Left / Right Sides |
| Voice and Audio | Dual denoise mic, 1.5W speaker, supports Type-C interface analog headphones |
| Interface Ports | USB 2.0 with OTG + 4 Pogo pin (for Cradle) + 4 Pogo pin (for Pistol Grip) |

Performance Characteristics

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| Processor | Qualcomm Snapdragon SD662, Octa-core 2.0GHz (CPU model: SM6115) |
| Operating System | Android 12 (GMS & AER) Upgradeable to Android 13 |
| Memory | 4GB RAM / 64GB eMMC |
| Security | Supports Verified Boot |

User Environment

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| Operating Temp | -20°C to 60°C -4°F to 140°F |
| Storage Temp | -30°C to 70°C -22°F to 158°F |
| Humidity | 5% to 95% non-condensing |
| Sealing | IP67 class protection from water, dust, dirt |
| Drop Test Report | 6 ft./1.8m. multiple drops to concrete over operating temp (certified test report) |
| Tumble Test Report | 300 3.2ft./1.0m tumbles |
| Vibration | 13000 ± 3000 rpm |
| Thermal Shock | -35°C to 75°C -31°F to 167°F |
| Electrostatic Discharge (ESD) | ±15kV air discharge; ±8 kV direct discharge; |

Sensors

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| Light Sensor | Adjusts display backlight brightness |
| Proximity Sensor | Disables display output and touch input when placed against the ear during a call |
| Magnetometer | eCompass to detect direction and orientation |
| Acceleration Sensor | 3-axis accelerometer |
| Gyro | Senses linear orientation |
| HALL | Support hot swap |

Data Capture

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| Scanning | Zebra SE4710, Zebra SE4100, Honeywell HS7, MEFERI SE5070, Intelligent barcodes and image capture technology, lightning-fast data recognition and processing, optimized visualization provide ultra-fast scanning of printed and electronic 1D and 2D barcodes. PRZM technology in Zebra scanners optic, best scanning. |
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| Camera | Front: 5MP; Rear: 13MP; Rear camera supports PDAF and 1080p video shooting. Support Torch mode and Flash mode. |
| NFC | ISO 14443 Type A and B; FeliCa and ISO 15693 cards; Card Emulation via Host; Reader mode, Card Emulation and P2P mode. |

Wireless WAN (WWAN), Cellular-Data and Voice Communications

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| GPS | GPS, A-GPS, GLONASS, Galileo, Beidou |
| Cellular Standards | LTE, WCDMA, GSM |
| Radio Frequency Band | GSM: B2/B3/B5/B8; WCDMA: B1/B2/B4/B5/B8; TDD-LTE: B34/B38/B39/B40/B41(120M); FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B19/B20/B25/B26/B28AB/B66 |

Wireless LAN (WLAN), WiFi

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| Feature | Seamless roaming—The device supports WLAN (WiFi) with seamless roaming, enabling automatic switching of Wi-Fi signals between access points without communication interruptions or data loss. |
| Radio Frequency Band | IEEE 802.11a/b/g/n/ac Wave 1&2 (No 160MHz) / d/e/h/i/k/r/v/w/mc, 802.11r, OKC, PMKID caching, IPv4, IPv6 |
| Data Rates | 2.4 GHz: 802.11b/g/n—20 MHz, 40 MHz — up to 150 Mbps 5 GHz: 802.11a/n/ac—20 MHz, 40 MHz, 80 MHz — up to 433 Mbp |
| Operating Channels | Channel 1–13(2412–2472MHz): 1,2,3,4,5,6,7,8,9,10,11,12,13; Channel 36–165(5180–5825MHz): 36,40,44,48,52,56,60,64,100,104,108,112,116,120,124,128,132,136,140,144,149,153,157,161,165; Channel bandwidth: 20, 40, 80 MHz |
| Security and Encryption | WEP (40 or 104bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise 192-bit mode (GCMP-256) –EAP-TLS; Enhanced Open (OWE) |

Wireless PAN (WPAN)

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| Bluetooth | BT5.0+BR/EDR+BLE, Bluetooth profiles includes HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT |
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Standard Accessories

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| Power Adapter (plug: EU, CN, US, GB); Battery 5180mAh; USB Type-C Cable; Hand Strap. |
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Optional Accessories

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| Single Slot Cradle; 4-Slot Battery Charger; Pistol Grip; Screen Protector (Glass); Holster (for Gun); Shoulder Bag; Protective Boot. |
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General Certifications

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| GMS & AER | Android Enterprise Recommended (Certified) with Google Mobile Services (GMS) –Enterprise API and actual updates available. Access to Android security updates for 90 days from the date of their release by Google for at least five years. |
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Environmental Compliance

Eco-Conscious Design Meets Regulatory Compliance. The ME40K is more than just a high-performance device—it's a socially responsible choice. Built in compliance with the RoHS Directive 2011/65/EU and its 2015/863 amendment, the ME40K ensures that its electronic components are free from hazardous substances. Furthermore, adherence to the EN IEC 63000:2018 standard guarantees both user safety and reduced environmental impact. Make a socially responsible choice without compromising on performance or durability.

Additional Regulatory

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| US: | |
| Electrical Safety | UL 60950-1 |
| Radio Frequency Devices | 47 CFR Part 15, Subpart B, Class B |
| Digital Apparatus | ICES-003 Issue 6, Class B |
| Europe: | |
| Electrical Safety | EN 60950-12ed+A11+A1+A12+A2:2013, IEC 60950-12ed +A1 +A2 |
| Environmental | EN 55032 (Class B) |
| IT Immunity | EN 55024 |
| Harmonic Current Emissions | EN 61000-3-2 |
| Voltage Fluctuation and Flicker | EN 61000-3-3 |
| Health & Safety | EN 62368-1, EN 62209-1, EN 50360, EN 50566, EN 62479, EN 50663 |
| Electromagnetic Compatibility | EN 301489-1, EN 301489-3, EN 301489-17, EN 301489-19, EN 301489-52, EN 55032, EN 55035, EN IEC 61000-3-2, EN 61000-3-3 |
| Effective Use of Spectrum | EN 300 328, EN 301893, EN 300 330, EN 303 413, EN 301511, EN 301908-1, EN 301908-2, EN 301908-13, EN 300 440 |

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Warranty

MEFERI's hardware warranty statement governs the warranty coverage of the ME40K, protecting it against any defects in workmanship and materials for a duration from the date of shipment: ME40K twelve (12) months; For detailed information regarding the warranty terms and conditions, please refer to the complete warranty statement available at: www.meferi.com/warranty

Recommended Services

MEFERI EasyPRO Service+

Partners Software Compatibility

MEFERI Software Suite



MeOmniSoft

A comprehensive set of industry-specific utilities and applications, designed to unlock maximum productivity and efficiency on allMEFERI devices. Customizable,scalable, powerful.



MeOmniApps

Unleashing the power of industry-specific mobile apps, revolutionizing operations across sectors. Experience the transformative and customizable OmniIndustry AppSuite, of tailored applications for various industries, designed to streamline your operations.



Shadowwalk

Reliable assistant for corporate mobile devices. Mobile Device Management (MDM) Solution offering remote device management, streamlined administration, advanced diagnostic tools, and insightful telemetry data analytics. Designed for businesses seeking efficient, centralized control. Ideal for large Enterprises.

Dive deeper into its potential on our website.
www.meferi.com/products/meferi-software-suite

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