ME40K Mobile Computer

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

Introducing the MEFERI ME40K: the embodiment of next-generation enterprise mobility. At its core, the premium Qualcomm Snapdragon processor seamlessly melds with capacious Samsung memory, ensuring rapid performance and ample storage. Elevate security with Android Enterprise Recommended (AER) credentials and the versatility of Google Mobile Services (GMS), unlocking an essential array of enterprise-focused applications and services. The ME40K's touch screen, armored with Corning Gorilla Glass III, ensures interaction even with wet hands or gloves, offering clarity in every tap. Dive into data with precision using an array of elite scanning modules. Stay connected without boundaries, thanks to its unmatched wireless capabilities complemented by seamless roaming. With the integrated MDM Shadowalk, command your device ecosystem with an unprecedented level of control and diagnostic prowess. Designed to endure, it resists water, dust, and accidental falls, all while boasting impeccable ergonomics and a programmable corporate keyboard. ME40K is more than a tool—it's the pinnacle of enterprise mobility, revolutionizing workflows and redefining success.

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.

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.

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Power Management for All-day Operations

Never worry about running out of battery during critical operations. The ME40K comes with a 5180 mAh 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.

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.

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.

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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.

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, Shadowalk by MEFERI. Offering centralized administration, advanced diagnostic tools, and robust data analytics, Shadowalk makes it effortless to manage and update your ME40K fleet. Experience reduced downtime with FOTA updates directly administered through MDM Shadowalk. Upgrade security patches and firmware across all devices without jumping through hoops. It's the future of mobile computing, simplified.

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.

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. 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.

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Physical Characteristics

Dimensions	164.6 x 69.8 x 17.8 mm
Weight	280.5 g with battery 190.3g without battery
Display	4.0 in. WVGA 480*800; 450 NITS
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 - provide consumes very less power, best color reproduction, and viewing angles, no limitations for aspect ratios, better contrast levels, best sunlight visibility, true black colors.
Hot Swap Battery	Support hot swap battery mode. 10 min. additional work from the backup battery 50mAh after the main battery is fully discharged.

Extend Memory	Micro SD x1, max support up to 256GB
SIM	Option1: nano SIM x2 Option2: nano SIM x1 + ESIM x1
Notifications	Ring tone; three-color LED x2 (Status Indicator, Scanning indicator); vibrate alert
Power	High capacity battery 5180 mAh (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

Processor	Qualcomm Snapdragon SD662, octa-core, 2.0GHz
Operating System	Android 12, with AER and GMS certified.

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Memory	Samsung: 4GB RAM/64GB eMMC
Security	Supports Verified Boot

Acceleration Sensor	3-axis accelerometer
Gyro	Senses linear orientation
HALL	Support Hot Swap Battery

User Environment

Operating Temp	-20℃ to 60℃
Storage Temp	-30℃ to 70℃
Humidity	5% to 95% non-condensing
Sealing	IP67 class protection from water, dust, dirt
Drop Test Report	6 ft./1.8 m. multiple drops to concrete over operating temp (certified test report)
Tumble Test Report	200 3.2ft./1.0m tumbles
Vibration	13000±3000 rpm
Thermal Shock	-35℃ to 75℃
Electrostatic Discharge (ESD)	±15 kV air discharge; ±8 kV direct discharge;

Sensors

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

Data Capture

Scanning	Zebra: SE4710, SE4100; Honeywell: HS7; Newland: CM60. 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.
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.

Environmental Compliance

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

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

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/d/e/h/i/k/r/v/w,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/g/n/ac – 20 MHz, 40 MHz, 80 MHz – up to 433 Mbp
Operating Channels	Channel 1-13 (2412-2472 MHz): 1,2,3,4,5,6,7,8,9,10,11,12,13; Channel 36-165 (5180-5825 MHz): 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,WPA/WPA2-PSK (TKIP and AES), EAP-TLS, EAP-TTLS, PEAP-MSCHAPv2, PEAP-TLS, PEAK-GTC, PWD,SIM,AKA

Wireless PAN (WPAN)

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

Standard Accessories

Power Supply Adapter 9V/2A 18W (plug: EU, CN, US, GB); Battery 5180 mAh; USB Type-C (1Meter Long, Black); Hand Strap; Safe Glass (Extra Protection); Hand Strap; Screen Protective Film (extra protection).

Optional Accessories

Single-slot Cradle (Charging + Data exchange with PC + additional charging slot for Extra Battery); 4-slots battery Charging Station; Pistol Grip with Scan Trigger Button; Rugged Rubber Protective Cover Case (Black); Safe Glass (extra protection); Bag with Shoulder Belt and Clip for wearing on a shoulder or on a belt.

General Certifications

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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Additional Regulatory

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 60950-1 2ed+A11+A1+A12+A2:2013, IEC 60950-1 2ed + 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 301 489-1, EN 301 489-3, EN 301 489-17, EN 301 489-19, EN 301 489-52, EN 55032, EN 55035, EN IEC 61000-3-2, EN 61000-3-3
Effective Use of Spectrum	EN 300 328, EN 301 893, EN 300 330, EN 303 413, EN 301 511, EN 301 908-1, EN 301908-2, EN 301 908-13, EN 300 440

Recommended Services

Meferi EasyPRO Service+

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: **http://www.meferi.com/#/us-en/warranty**.

Meferi Software Suite

OmniSoftware Suite	A comprehensive set of industry-specific utilities and applications, designed to unlock maximum productivity and efficiency on all MEFERI devices. Customizable, scalable, powerful
OmniIndustry Apps Suite	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.
Shadowalk	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.
https://www.meferi.com/#/us-en/products/meferi-software-suite

Partners Software Compatibility

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