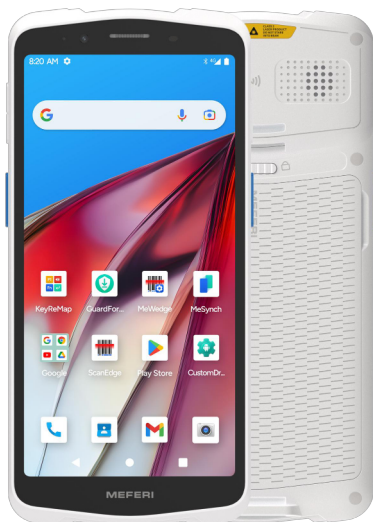# ME61HC Mobile Computer

Redefining Medical Mobility — Antibacterial Safety Meets Cutting-Edge Enterprise Technology

Introducing the MEFERI ME61HC redefining enterprise mobility for healthcare with specialized antibacterial protection. Built on the proven performance of the ME61, the ME61HC is engineered for hospitals, laboratories, clinics, and other healthcare settings demanding stringent hygiene. The device features an antibacterial white casing infused with inorganic agents like silver, copper, and zinc ions, utilizing physical adsorption and ion exchange to ensure broad-spectrum antibacterial effectiveness.

Powered by Qualcomm's octa-core processor and Android 13 with Android Enterprise Recommended (AER) certification, combined with Google Mobile Services (GMS) for the highest standards of security and seamless integration into any IT systems, the ME61HC delivers uncompromised performance and security. The 6.0-inch Luxibright touchscreen provides medical professionals with exceptional visibility, while the durable casing is designed to withstand repeated disinfection using alcohol-based solutions. Advanced scanning modules like Zebra and Honeywell provide precise data capture—essential in high-pressure medical environments. The ME61HC's WLAN and WWAN connectivity ensure uninterrupted communication, while integration with Shadowalk MDM/EMM offers complete remote management capabilities. Paired with MeMobilityDesk, the ME61HC becomes a versatile healthcare workstation. It's not just a device; it's a critical tool for enhancing patient care, efficiency, and hygiene standards.

Exceptional Processing Power for Healthcare Demands

At the heart of the ME61HC lies a premium Qualcomm SM6225 octa-core processor. Powered by Qualcomm's advanced technology, the ME61HC delivers unparalleled processing power and performance. With this high-performance CPU, healthcare professionals can experience lightning-fast computing, seamless multitasking, and smooth operation even when running resource-intensive medical applications. The ME61HC gives you the power to tackle healthcare-specific tasks with ease, ensuring optimal support for patient care and administrative needs.

Android 13 with AER and GMS + Security Patches Updating

The ME61HC comes pre-loaded with Android 13, a version of the world's most popular mobile operating system, with the capability to upgrade to newer versions up to Android 16. As an Android Enterprise Recommended (AER) device, the ME61HC meets the highest standards of security, reliability, and performance set by Google, essential for healthcare applications. With Google Mobile Services (GMS), it ensures seamless integration into any IT systems, providing access to essential enterprise applications and services. With regular security patches and updates from Google for at least five years, the ME61HC guarantees that sensitive patient data remains secure and the device stays compliant with industry standards.

Specialized Antibacterial Housing: Premium Durability for Healthcare Excellence

The MEFERI ME61HC is engineered with a specialized antibacterial casing made from premium industrial-grade plastic infused with advanced antibacterial agents, including silver, copper, and zinc. These agents actively inhibit bacterial growth through physical adsorption and ion exchange, ensuring a safer device in medical environments where hygiene is paramount. The casing is designed to withstand frequent, rigorous disinfection with alcohol-based solutions, maintaining its structural integrity, pristine appearance, and high performance even under intensive daily use.

Built for Healthcare Environments: Safety, Reliability, and Compliance

The sleek white finish represents cleanliness and adherence to healthcare standards, fitting seamlessly into sterile environments like hospitals, clinics, pharmacies, and laboratories. This antibacterial housing meets strict industry regulations for microbial protection, helping to prevent cross-contamination and offering healthcare professionals peace of mind. Crafted from high-quality, durable plastic, the ME61HC offers not only robust physical protection but

also long-lasting reliability that ensures a better return on investment for healthcare facilities. This focus on durability and hygiene makes the ME61HC the ideal solution for healthcare professionals in environments where patient safety, medication administration, and sterile conditions are crucial.

Optimized Capacitive Touch Screen with Luxibright Technology

Work comfortably and efficiently on the ME61HC's large 6.0-inch capacitive multi-touch screen. Featuring an IPS panel with a resolution of 1080 x 2160 pixels, the screen delivers vibrant visuals with excellent clarity—perfect for healthcare professionals needing precise information at a glance. The Luxibright technology allows brightness adjustment to suit the environment, ensuring optimal visibility even under bright hospital lights or in dimly lit patient rooms. With enhanced sensitivity, the touch screen effortlessly responds to input, even with wet hands or gloves—critical in medical settings where quick, accurate interactions matter.

Advanced Data Capture Solutions Tailored for Healthcare

The ME61HC redefines data capture for healthcare with its advanced scanning modules, offering flexibility through options like Zebra SE4770, Honeywell HS7 and N6803FR, or MEFERI SE5070. These modules provide unmatched capabilities to read two-dimensional and linear barcodes—vital for tracking patient information, medication, and equipment. Experience rapid data decoding, intelligent recognition of damaged or worn barcodes, and the convenience of scanning barcodes directly from screens. With Zebra PRMZ technology and advanced optics, the ME61HC ensures broad coverage and versatile scanning angles, delivering efficiency and accuracy when it matters most. Supported by the OmniSoftware Suite, healthcare professionals benefit from comprehensive data processing and management, enhancing overall workflow efficiency.

Versatile MeMobilityDesk Workstation for Healthcare Environments

Transform any corner of your healthcare facility into a fully functional workstation with the MeMobilityDesk solution. The ME61HC can be easily docked to an advanced docking station, paired with an HDMI-connected monitor, and equipped with peripherals like a multifunctional printer, keyboard, mouse, and other necessary equipment—eliminating the need for a traditional PC setup. This flexibility allows healthcare professionals to quickly access patient information, print required documents, and interact seamlessly with data directly from one compact device. Additionally, when docked, the ME61HC can connect to the clinic or healthcare facility's network for seamless data exchange, ensuring that all critical information is readily accessible and up-to-date.

The MeMobilityDesk setup also allows healthcare professionals to use an LCD monitor to connect via RDP to server-based ERP systems or work with browser-based solutions such as CRM or B2B platforms. Adapted Android mobile applications can also be used on the larger LCD screen, providing a full PC-like experience for completing any necessary tasks. Whether in administrative offices, nurse stations, or even treatment rooms, the MeMobilityDesk empowers healthcare personnel with the tools they need to maintain productivity and efficiency at all times, significantly enhancing the ability to respond to patient needs promptly. The integration of peripherals ensures an expanded range of use, making the ME61HC a versatile, scalable, and practical solution for high-demand healthcare operations.

Craft your workspace with precision. Experience MeMobilityDesk—your enterprise, redefined.

For more information about the MeMobilityDesk WorkStation visit: **www.meferi.com/us-en/solutions/me-mobilitydesk**

High-Quality Cameras for Enhanced Data Collection in Healthcare

Capture high-quality images and videos with the ME61HC's front 8MP and rear 16MP cameras. The rear camera, with its 16MP resolution, phase detection autofocus (PDAF), and 1080p video shooting, enables healthcare professionals to capture clear and detailed photos and videos crucial for patient documentation and medical communication. Utilize the torch mode and flash mode to capture images in low-light environments, such as during night shifts or in dimly lit patient rooms, ensuring that no critical detail is missed.

The camera's data collection capabilities are ideal for photographing medical documents, capturing equipment conditions, and documenting patient details, greatly enhancing digital record-keeping and minimizing paperwork. The ME61HC's cameras also facilitate video communication for seamless collaboration with colleagues, whether across departments or at remote locations. These cameras are invaluable tools in healthcare settings, supporting rapid documentation, enhancing patient record accuracy, and improving team collaboration—ensuring that visual information is efficiently utilized for better healthcare outcomes.

Seamless Connectivity for Healthcare: WLAN, WWAN, and WPAN

Stay connected and ensure uninterrupted operation with the ME61HC's comprehensive wireless connectivity options, designed to meet the demanding needs of healthcare environments. The device supports WLAN (Wi-Fi) with seamless roaming, enabling automatic switching between Wi-Fi signals from access points without communication interruptions or data loss—an essential feature in hospitals and clinics with large coverage areas. The ME61HC also supports WWAN (Cellular 4G LTE), providing impeccable signal quality, advanced communication capabilities

across various frequency ranges, and built-in geolocation for efficient resource management within healthcare facilities. With dual nano-SIM or nano-SIM and eSIM support, healthcare professionals can work with multiple mobile operators to ensure optimal connectivity for data exchange, whether in the field or within medical institutions.

These connectivity options allow healthcare workers to stay connected, access patient information, update records in real-time, and communicate seamlessly across different departments, ensuring that care delivery is always efficient and uninterrupted. The robust connectivity solutions of the ME61HC make it an indispensable tool for supporting healthcare workflows and enabling high-quality patient care.

Expandability and Extended Memory for Healthcare Flexibility

The ME61HC provides expandable memory configurations to support healthcare professionals effectively. The standard model includes 4GB LPDDR4 RAM and 64GB UFS storage, offering sufficient space for managing patient records and data-heavy applications. For more demanding use, configurations with 6GB RAM and up to 128GB storage are available. This versatility ensures healthcare providers can upload, process, and manage critical data efficiently—empowering productivity without restrictions in dynamic medical environments.

Durability and Enhanced Protection for Medical Environments

The ME61HC is designed to endure the challenging conditions often encountered in healthcare settings. Its robust construction is certified to withstand 5 ft./1.5m drops onto concrete across the full operating temperature range. With IP67 class protection, the ME61HC is resistant to water, dust, and contaminants, ensuring reliable performance even under frequent disinfection and rigorous use. The device features Corning Gorilla Glass III, providing advanced screen protection against scratches and impacts—critical in busy medical environments. This durability minimizes maintenance costs, making the ME61HC a cost-effective choice for healthcare facilities focused on long-term reliability.

Extended Battery Life and Hot Swap Mode for Continuous Healthcare Operations

The ME61HC is equipped with a powerful 5000mAh battery, providing extended power for healthcare professionals working long shifts. With Quick Charge 3.0 support, the ME61HC can be fully recharged in as little as 4 hours, minimizing downtime between uses. The Hot Swap battery mode allows the battery to be replaced without shutting down the operating system—critical for uninterrupted medical operations. This feature ensures seamless battery transitions, preventing data loss or disruption to ongoing tasks. The combination of extended battery life and Hot Swap capability allows healthcare teams to maintain continuous productivity without power-related interruptions.

Enterprise Mobility and Device Management (MDM/EMM) Solution

The ME61HC integrates seamlessly with Shadowalk, MEFERI's comprehensive EMM and MDM solution certified for enterprise mobility management. Designed to empower healthcare providers, Shadowalk offers complete device management and security capabilities for Android environments. With Shadowalk MDM/EMM, healthcare facilities gain full control over their device fleet, allowing remote management, diagnostics, and security enforcement—crucial for maintaining compliance in healthcare.

Shadowalk allows administrators to manage devices remotely, ensure up-to-date software, and apply advanced security protocols, such as data loss prevention (DLP) and compliance enforcement. This flexibility means healthcare providers can manage equipment and staff effectively, enhance productivity, and maintain security across all devices. The ME61HC's integration with Shadowalk ensures optimal mobile resource utilization, enabling healthcare professionals to stay focused on delivering high-quality patient care without interruptions.

MEFERI OmniSoftware Suite: Unlock the Full Potential of Your ME61HC

The MEFERI OmniSoftware Suite features a range of specialized applications and utilities designed to expand the capabilities of the ME61HC, making it highly adaptable to diverse enterprise requirements. This suite includes tools for configuring scanner settings, controlling device access, managing corporate browsing, enabling Kiosk Mode, RDP (Remote Desktop Protocol) for remote management, Android customization, quick device setting transfer via QR code scanning, and many other valuable applications that deliver essential functionality for seamless enterprise operations. Additionally, the suite includes GuardForce Android, a critical utility for ensuring device security through regular security patch updates, keeping all MEFERI devices protected against emerging threats. With the OmniSoftware Suite, your ME61HC becomes an even more versatile and secure solution, perfectly equipped to handle the rigorous demands of enterprise and healthcare environments.

Unmatched Warranty and Comprehensive Support

When you invest in the MEFERI ME61HC, you're not just getting cutting-edge technology but also securing peace of mind with industry-leading warranty coverage and speedy and convenient customer support. Our dedicated support teams are always ready to assist, ensuring that every inquiry is resolved promptly and every challenge is tackled effectively. Experience a level of service that sets a new standard in the industry.

Elevate your healthcare facility and embrace the digital transformation with the ME61HC Mobile Computer—your reliable partner in the fast-paced world of modern healthcare.

Physical Characteristics

Dimensions	167.0 x 78.5 x 14.2 mm 6.57 x 3.09 x 0.56 in.
Weight	With battery: 286.5g / 10.1oz. Without battery: 186.5g /6.58 oz.
Housing Material	Premium antibacterial plastic infused with silver, copper, and zinc agents. Designed for rigorous disinfection with alcohol-based solutions, ensuring durability and hygiene for healthcare environments.
Display	6.0 in. IPS, 1080 x2160 or 720 x1440 (optional)
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.
Power	The high-capacity extended battery (5000 mAh), features Hot Swap battery mode, and supports QC 3.0 quick charging, reaching 100% in up to 4 hours.
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
Network Connections	WLAN (Wi-Fi), WPAN (Bluetooth), WWAN (2G, 3G, 4G LTE), Pogo Pin, USB 2.0, High Speed (Host and Client)
Notifications	Ring tone; three-color LED x1(Status: red/green; Scan: Blue); vibrate alert
Keypad	Full screen, on-screen keypad (Menu/Back/Home button)
Buttons	3 on-screen buttons (Menu/Back/Home button), Custom Button/Power button, Scan button L/R, volume button(+/-)
Voice and Audio	Dual denoise mic, 1.5W Speaker, supports Type-C interface analog headphones
Interface Ports	USB 2.0 with OTG +6 Pogo pin

Performance Characteristics

Processor	Qualcomm Snapdragon SD685, Octa-core 2.8 GHz (CPU model: SM6225pro)
Operating System	Android 13(GMS & AER) Upgradeable to Android 18
Memory	4GB LPDDR4 +64GB UFS (6GB +128GB option)
Security Feature	Supports Verified Boot

User Environment

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	5 ft./1.5m. multiple drops to concrete over operating temp (certified test report)
Tumble Test Report	1000hits, 1.6ft./0.5m tumbles
Vibration	10000 rpm Min
Thermal Shock	-35°C to 75°C -31°F to 167°F
Electrostatic Discharge (ESD)	±15kV air discharge; ±8 kV direct discharge

Sensors

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

Data Capture

Scanning	Zebra SE4770, MEFERI SE5070, Honeywell HS7, and N6803FR, with intelligent barcode and image capture technology, deliver lightning-fast data recognition and processing. Optimized visualization provides ultra-fast scanning of printed and electronic 1D and 2D barcodes. PRZM technology in Zebra scanners enhances optical performance, ensuring the best scanning experience.

Camera	Front: 8MP; Rear: 16MP; 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

GPS	GPS, A-GPS, GLONASS, Galileo, Beidou
Cellular Standards	LTE, WCDMA, CDMA, GSM
Radio Frequency Band	**GSM:** B2/B3/B5/B8; **WCDMA:** B1/B2/B4/B5/B8; **CDMA2000/1x EV-DO** BC0 **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), Wi-Fi

Radio	IEEE 802.11a/b/g/n/acWave 1&2(No160MHz)/d/e/h/i/k/r/v/w, 802.11r,OKC,PMKID caching,IPv4,IPv6
Data Rates	**2.4 GHz:** 802.11b/g/n—20MHz, 40 MHz—up to 150 Mbps **5 GHz:** 802.11a/n/ac—20MHz, 40 MHz, 80 MHz—up to 433 Mbp
Operating Channels	**Channel 1-13(2401-2483MHz):** 1,2,3,4,5,6,7,8,9,10,11,12,13; **Channel 36-165(5150-5850MHz):** 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 104 bit); WPA/WPA2 Personal(TKIP, and AES); WPA3 Personal(SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise 192-bitmode (GCMP-256) -EAP-TLS; Enhanced Open (OWE)
Wi-Fi Feature	Seamless roaming—The device supports WLAN (Wi-Fi) with seamless roaming, enabling automatic switching of Wi-Fi signals between access points without communication interruptions or data loss.

Wireless PAN (WPAN)

Bluetooth	BT5.1+BR/EDR+BLE,Bluetooth profiles includes HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT

Standard Accessories

Power Adapter (plug: EU, CN, US, GB); Battery 5000 mAh; USB Type-C Cable; Hand Strap.

Optional Accessories

Single Slot Cradle; 4-Slot Battery Charger; 5-Slot Cradle; MeMobilityDesk WorkSpace Cradle; Vehicle Charger; Pistol Grip; Screen Protector (Glass); Shoulder Bag; Protective Boot.

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.

Environmental Compliance

The RoHS Directive 2011/65/EU,along with its amendment 2015/863,ensures that electrical and electronic products are free from hazardous substances. Compliance with the EN IEC 63000:2018 standard guarantees that products are safe for use and minimizes the environmental impact.

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 60950-12ed+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

Warranty

MEFERI's hardware warranty statement governs the warranty coverage of the ME61, protecting it against any defects in workmanship and materials for a duration from the date of shipment: ME61 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**

MEFERI MeCare

Premium service program offering extended coverage for repairs, accidental damage, and technical support. Keep your MEFERI devices performing flawlessly beyond the standard warranty.

Partners Software Compatibility

SOTI®

MEFERI Software Suite

MeOmniSoft

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.

MeOmniApps

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

Shadowalk

EMM Shadowalk by MEFERI — your trusted solution for corporate mobile device management and enterprise mobility. Combining Mobile Device Management (MDM) and Enterprise Mobility Management (EMM), Shadowalk offers advanced remote control, streamlined administration, enhanced diagnostics, and comprehensive data security. Tailored for businesses seeking centralized, efficient, and secure mobility management. Perfect for large enterprises demanding scalability and compliance.

Dive deeper into its potential on our website.
www.meferi.com/en/us/products/software

Additional Features

MeMobilityDesk

Discover the future with MeMobilityDesk, where enterprise operations transcend. Powered by the ME61HC, it transforms any space into an advanced workstation, sidestepping the constraints of a traditional PC. Enjoy seamless RDP integrations and comprehensive software access—from Microsoft Server and ERP to browser-based solutions like CRM or B2B.

Connect a diverse range of peripherals, from POS terminals to specialized industry hardware. Experience unmatched on-the-go adaptability, fortified security, and flexibility through GMS and AER. Maximize efficiency by deploying Android apps optimized for expansive displays.

Elevate your business workspaces without the need for a PC, wherever you are. Dive deeper with MeMobilityDesk.

Explore the full experience at:
www.meferi.com/solutions/MeMobilityDesk