

# ME61L Mobile Computer

Setting New Standards in Enterprise Mobility - Harness Unrivaled Performance and Seamless Integration for Tomorrow's Challenges.

Introducing the MEFERI ME61L: heralding an era of unparalleled enterprise mobile computing. At its core, the MT8786V/CT 8-core 2.0 GHz processor melds seamlessly with Android 13's robustness, delivering dependable performance for demanding enterprise environments. With Google Mobile Services (GMS), the ME61L unlocks a suite of integral apps and services tailored for enterprise workflows. At its forefront, the radiant 6.0-inch Luxibright touchscreen provides clarity and interaction like never before, minimizing distractions. Dive deep into data with superlative scanning modules like Zebra SE4770, MEFERI SE5070, and Honeywell HS7 or N6803FR, capturing barcodes with razor-sharp precision. Boasting expandable memory, it effortlessly handles voluminous data, ensuring you're always ahead of the curve. Seamless connectivity becomes a standard, not a luxury, with WLAN, WWAN, and the advantage of flawless roaming. Integrated with the Shadowwalk ecosystem, ME61L's MDM/EMM capabilities place unmatched control at your fingertips. Revolutionizing the workspace, the MeMobilityDesk solution integrates the ME61L, blurring the line between desktop and mobile. And when precision matters, its intelligent 3D camera captures dimensions with impeccable accuracy. The ME61L is not just a device, but the heart of modern enterprise mobility.



## Unparalleled Processing Power

At the heart of the ME61L lies a premium Qualcomm SM6225 Pro octa-core processor. Powered by Qualcomm's advanced technology, the ME61L delivers unparalleled processing power and performance. With this high-performance CPU, you can experience lightning-fast computing, seamless multitasking, and smooth operation even when running resource-intensive applications. The ME61L gives you the power to tackle any task with ease.



## Android 13 with GMS + Security Patches Updating

The ME61L comes pre-loaded with Android 13, the latest version of the world's most popular mobile operating system. With Google Mobile Services (GMS), it provides seamless access to essential apps and services while supporting regular security patch updates to ensure reliable protection in enterprise environments.



## Large Capacitive Touch Screen with Luxibright Technology

Work comfortably and efficiently on the ME61L's large 6.0 inch capacitive multi-touch screen. Featuring an IPS panel and a resolution of 1080 x 2160 pixels (720 x 1440 pixels optional), the screen delivers vibrant visuals and excellent clarity. The Luxibright technology allows you to adjust the screen brightness according to your environment, ensuring optimal visibility even in bright sunlight or low-light conditions. With increased sensitivity, the touch screen responds effortlessly to touch, even with wet hands or when wearing gloves.



## Ultimate Data Capture Performance

The ME61L sets new standards in data capture with its range of super-productive scanning modules. Choose from Choose from Zebra SE4770, MEFERI SE5070, and Honeywell HS7 or N6803FR, all offering unmatched scanning capabilities for various two-dimensional and linear barcodes. Experience lightning-fast data decoding, intelligent recognition of damaged or dirty barcodes, and the ability to capture barcodes from screens. The Zebra PRMZ technology and innovative optics provide extended

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area coverage and scanning angles, ensuring accurate and efficient data capture. Take full advantage of these scanning capabilities with the OmniSoftware Suite, which offers comprehensive data processing and output functions.



#### **Intelligent Depth (TOF) Camera for Precise Measurements**

The ME61L is equipped with a Depth (TOF) camera that intelligently measures the size and volume of objects. This feature is invaluable for couriers, express delivery services, and logistics operations that require precise measurements of boxes and mailings. With advanced technology, the ME61L ensures quick and accurate measurements, reducing errors and improving overall productivity. Whether you need to measure dimensions of flat objects, boxes, or items with uneven angles, the ME61L's Depth (TOF) camera provides accurate results. Leverage this data for logistical purposes or any industry-specific tasks that require precise measurements.



#### **MeMobilityDesk WorkStation: The Future of Enterprise Mobility is Here. All-in-One Solution for Modern Businesses**

Step into the future with the MeMobilityDesk WorkStation, where enterprise mobility meets unparalleled versatility. Connect the ME61L to our advanced docking station and any HDMI LCD monitor, and swiftly transform any workspace into a high-performance workstation without the need for a standard PC. In an instant, gain full-spectrum desktop functionalities: robust web browsing, seamless application transitions, and direct access to corporate software. Dive into comprehensive document management with Microsoft Office or Windows Server, connect via RDP to ERP systems - from SAP to Oracle - or work in browser-based B2B, CRM etc., through any browser. Easily synchronize ME61L settings with a single QR code scan and deploy a new workspace within 3 seconds, anywhere. With the innovative MeScreen software, transition fluidly between mobile and desktop interfaces to manage tasks on the go, such as picking, receiving, inventory, and more. With the ME61L at its core, enjoy continuous adaptability, benefiting from a plethora of peripheral connections like POS terminals, specialized retail keyboards, handheld or omnidirectional scanners, scales, MFP, desktop label or receipt printers, customer displays, and more. Utilize your own Enterprise Android apps on the ME61L with adapted interfaces for display on large LCD monitors.

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

For more information about the MeMobilityDesk WorkStation visit: [www.meferi.com/en/solutions/memobilitydesk-workstation/](http://www.meferi.com/en/solutions/memobilitydesk-workstation/)



#### **High-Quality Cameras for Enhanced Data Collection**

Capture high-quality images and videos with the ME61L's front and rear cameras. The rear camera, with its 16MP resolution and support

for phase detection autofocus (PDAF) and 1080p video shooting, enables you to take clear and detailed photos and videos. Utilize the torch mode and flash mode for capturing images in low-light environments.

The camera's additional data collection capabilities make it ideal for photographing objects, goods, and documents. Leverage video communication for seamless collaboration with employees and colleagues. The ME61L's cameras are invaluable tools for capturing visual information on the go and solving critical tasks that require photo and video capabilities.



#### **Seamless Connectivity: WLAN, WWAN, and WPAN**

Stay connected and ensure uninterrupted operation with the ME61L's comprehensive wireless connectivity options. 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. This feature is especially useful in large warehouses or facilities with extensive coverage areas. The ME61L also supports WWAN (Cellular 4G LTE), providing impeccable signal quality, advanced communication capabilities across various frequency ranges, and built-in geolocation capabilities. With dual nano-SIM or nano-SIM and eSIM support, you can work with multiple mobile operators to ensure optimal connectivity and data exchange capabilities.



#### **Expandability and Extended Memory**

The ME61L offers expandable memory options to accommodate your specific requirements. The base configuration includes 4GB of LPDDR4 RAM and 64GB of UFS storage, providing ample space for fast and comfortable work with large amounts of data across various industries. ME61L's 8GB of RAM and 128GB of storage can support your more demanding tasks. With the ME61L, you have the flexibility to upload, process, transfer, and work with any files without limitations, enabling you to be productive without restrictions.



#### **Durability and Additional Protection**

The ME61L is built to withstand the harshest conditions, both indoors and outdoors, thanks to its robust design and certifications. It has undergone rigorous testing, including 5 ft / 1.5 m multiple drops to concrete over the operating temperature range. With IP67 class protection, the ME61L is resistant to water, dust, and dirt, ensuring optimal performance even in challenging environments. The device is equipped with Corning Gorilla Glass III, a powerful screen protection technology that safeguards the screen against scratches and impacts. This superior protection enhances the device's durability, reducing maintenance costs and contributing to a lower total cost of ownership.

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### Extended Battery Life and Hot Swap Mode

The ME61L features an extended battery with a capacity of 5000mAh, providing long-lasting power for extended work sessions. With Quick Charge 3.0 support, the ME61L can be fully charged in as little as 4 hours, ensuring minimal downtime. Additionally, the device supports Hot Swap battery mode, allowing you to replace the battery with a new one without restarting the operating system. This feature is invaluable for continuous operations, as it enables seamless battery replacement without data loss or interruption. The ME61L's extended battery life and Hot Swap mode ensure uninterrupted productivity and eliminate concerns about running out of power.



### Enterprise Mobile Device Management (MDM/EMM) System

The ME61L integrates with the Shadowwalk ecosystem, an advanced MDM/EMM system designed for managing and administering a pool of mobile devices and equipment. With the MEFERI MDM/EMM system, you gain full control and remote management capabilities for your devices. You can manage equipment and staff anywhere in the world, plan future equipment purchases and repairs, assess employee performance based on device telemetry data, and more. The MEFERI MDM/EMM system ensures the security, efficiency, and optimal utilization of your mobile resources, empowering your organization to achieve its goals effectively.



### MEFERI OmniSoftware Suite: Unlock the Full Potential of Your ME61L

#### GuardForce Android: Uncompromised Security and Regular Updates

With the MEFERI OminiSoftware Suite, the ME61L Mobile Computer offers unparalleled security and reliability through GuardForce Android. GuardForce Android is designed to protect your device and data against evolving threats, providing regular updates with the latest security patches from Google. You can rest assured that your ME61L is equipped with the most advanced security measures, keeping your sensitive information safe and minimizing the risk of unauthorized access. The regular updates ensure that your device stays protected against emerging security vulnerabilities, providing a secure environment for your critical business operations.



### MEFERI OmniIndustry Apps Suite: Empowering Industry-Specific Operations

The MEFERI OmniIndustry Apps Suite is a comprehensive package of tailored applications designed to revolutionize operations across various industries. With its transformative capabilities, the OmniIndustry Apps Suite streamlines processes and addresses industry-specific challenges, driving efficiency, productivity, and innovation in your business. From retail management with RetailPro to optimized field operations with Field Service, each app within the suite is developed on a framework that allows for customization to meet the unique requirements of different projects and industries.



### Unrivaled Warranty and Support

Investing in the MEFERI ME61L not only equips you with superior technology but also assures you of industry-leading warranty coverage and round-the-clock customer support. Our proficient teams are always on standby, ensuring that every question is answered and every concern is addressed, guaranteeing a service experience like no other.

Step into the future and transform your enterprise landscape with the ME61L Mobile Computer - your foremost ally in the evolving digital age.



### Sustainability Meets Regulatory Excellence

The ME61L is more than just a technological marvel - it embodies responsible innovation. Adhering to the RoHS Directive 2011/65/EU and its 2015/863 amendment, the ME61L prioritizes environmentally- conscious choices, ensuring its electronic mechanisms are devoid of harmful substances. Its commitment to the EN IEC 63000:2018 standard signifies an unwavering dedication to both user safety and minimizing ecological impact. With the ME61L, choose performance and durability, all while championing environmental responsibility.

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## Physical Characteristics

Dimensions	167 x 78.5 x 14.2 mm 6.57 x 3.09 x 0.56 in
Weight	With battery 287.7 g / 10.15 oz (with TOF Camera) 286.5 g / 10.1 oz (without TOF Camera) Without battery 187.7 g / 6.62 oz (with TOF Camera) 186.5 g / 6.58 oz (without TOF Camera)
Display	6.0 in IPS, 1080 x 2160 or 720 x 1440 (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	<b>Strong Protection of Scanning Module's</b> 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	<b>Luxibright technology</b> 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	High capacity extended battery 5000mAh, With Hot Swap battery mode. Support QC 3.0 quick charge up to 4 hours till 100% (full charge).
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 (50mAh), 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), Pogo Pin, USB-C 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-C 2.0 with OTG + 6 Pogo pin

## Performance Characteristics

Processor	Mediatek MT8786, Octa-core 2.0 GHz
Operating System	Android 15 (GMS ), Upgradeable to Android 18
Memory	Standard: RAM 4GB / ROM 64GB; Optional: RAM 8GB / ROM 128GB
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 / 1.5 m multiple drops to concrete over operating temp (certified test report)
Tumble Test Report	1000hits, 1.6 ft / 0.5 m tumbles
Vibration	10000rpm Min
Thermal Shock	-35°C to 75°C -31 °F to 167 °F
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 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, 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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<b>Camera</b>	Front: 8MP; Rear: 16MP; Rear camera supports PDAF and 1080p video shooting. Support Torch mode and Flash mode.
<b>Depth Camera</b>	Depth Camera (TOF) Intelligently measuring the size and volume of objects (option)
<b>NFC</b>	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

<b>GPS</b>	GPS, A-GPS, GLONASS, Galileo, Beidou
<b>Cellular Standards</b>	4G, WCDMA, GSM
<b>Radio Frequency Band</b>	<b>GSM:</b> B2/B3/B5/B8; <b>WCDMA:</b> B1/B2/B4/B5/B8; <b>CDMA2000/1x EV-DO B/C</b> <b>TDD-LTE:</b> B34/B38/B39/B40/B41(120M); <b>FDD-LTE:</b> B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B19/B20/B25/B26/B28AB/B66

#### Wireless LAN(WLAN), Wi-Fi

<b>Radio</b>	Wi-Fi 5 (2.4GHz, 5GHz) with MIMO 1x1, IEEE 802.11a/b/g/n/ac Wave1&2 (No 160MHz) /d/e/h/i/k/r/v/w/ mc, 802.11r, OKC, PMKID caching, IPv4, IPv6
<b>Data Rates</b>	<b>2.4GHz:</b> 802.11b/g/n - 20MHz, 40MHz - up to 150Mbps <b>5GHz:</b> 802.11a/n/ac - 20MHz, 40MHz, 80MHz - up to 433Mbps
<b>Operating Channels</b>	<b>Channel 1-13 (2401-2483MHz):</b> 1,2,3,4,5,6,7,8,9,10,11,12,13; <b>Channel 36-165 (5150-5850MHz):</b> 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; <b>Channel Bandwidth:</b> 20/40/80MHz;
<b>Security and Encryption</b>	WEP (40 or 104 bit); 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)
<b>Wi-Fi Feature</b>	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)

<b>Bluetooth</b>	BT 5.0+BR/EDR+BLE, Bluetooth profiles includes HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT
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#### Standard Accessories

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

#### Optional Accessories

Single-Slot Cradle; 4-Slot Battery Charger; 5-Slot Cradle; MeMobilityDesk Workstation; Vehicle Charger; Pistol Grip; Screen Protector (Glass); Shoulder Bag; Protective Boot; Wrist/Arm Mount.

#### General Certifications

<b>GMS</b>	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

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

<b>US:</b>	
<b>Electrical Safety</b>	UL 60950-1
<b>Radio Frequency Devices</b>	47 CFR Part 15, Subpart B, Class B
<b>Digital Apparatus</b>	ICES-003 Issue 6, Class B
<b>Europe:</b>	
<b>Electrical Safety</b>	EN 60950-1 2ed+A11+A1+A12+A2:2013, IEC 60950-1 2ed + A1 + A2
<b>Environmental</b>	EN 55032 (Class B)
<b>IT Immunity</b>	EN 55024
<b>Harmonic Current Emissions</b>	EN 61000-3-2
<b>Voltage Fluctuation and Flicker</b>	EN 61000-3-3

#### Warranty

MEFERI's hardware warranty statement governs the warranty coverage of the ME61L, protecting it against any defects in workmanship and materials for a duration from the date of shipment: ME61L 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](http://www.meferi.com/warranty)

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## 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.

## 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.



Shadowwalk

EMM Shadowwalk by MEFERI - your trusted solution for corporate mobile device management and enterprise mobility. Combining Mobile Device Management (MDM) and Enterprise Mobility Management (EMM), Shadowwalk 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](http://www.meferi.com/en/us/products/software)

## Partners Software Compatibility

**SOTI**

## Additional Features



MeMobilityDesk

Discover the future with MeMobilityDesk, where enterprise operations transcend. Powered by the ME61L, 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/en/solutions/memobilitydesk-workstation/](http://www.meferi.com/en/solutions/memobilitydesk-workstation/)

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