

ME61L Mobile Computer

Efficient Enterprise Mobility - Reliable Performance, Flexible Integration, and Scalable Device Management

The MEFERI ME61L is designed to deliver a balanced combination of performance, efficiency, and cost-effectiveness for modern enterprise environments. Powered by the MediaTek MT8786 octa-core processor and running on Android 15 with Google Mobile Services (GMS), the device ensures stable operation for essential business applications and seamless integration into existing IT systems.

Featuring a 6.0-inch display with Luxibright technology, the ME61L provides clear visibility and comfortable interaction across different working conditions. Advanced data capture capabilities, supported by professional scanning modules such as SE4770, MEFERI SE5070, and Honeywell HS7 or N6803FR, enable fast and accurate barcode reading in real-world scenarios.

The device is built to support daily operations across logistics, retail, warehousing, and field services, combining reliable WLAN and WWAN connectivity, flexible memory configurations, long battery life with Hot Swap support, and compatibility with a wide range of enterprise accessories. The ME61L also supports leading MDM and EMM solutions, enabling centralized deployment, remote configuration, device control, application management, and efficient lifecycle administration across large enterprise fleets.

With its practical design, dependable functionality, and support for scalable mobility management, the ME61L is a cost-efficient mobile computer that delivers the essential performance and flexibility required for professional business use.



MEDIATEK Efficient Performance with MediaTek Platform

At the core of the ME61L is the MediaTek MT8786 octa-core processor, running at 2.0 GHz. Designed for cost-efficient performance, this platform delivers reliable processing power for everyday enterprise tasks. The ME61L ensures smooth operation for standard business applications, stable multitasking, and responsive performance across typical workflows. With its balanced architecture, the device provides an optimal combination of efficiency, energy consumption, and affordability - making it a practical choice for large-scale deployments.

GMS Android 15 with GMS + Enterprise Support

The ME61L runs on Android 15, providing a stable and efficient platform for enterprise operations. With Google Mobile Services (GMS), it ensures seamless integration with business applications and access to essential Google tools. The device also supports firmware customization for project-specific requirements, while MEFERI provides long-term technical support throughout the device lifecycle.

Advanced Data Capture Performance

The ME61L delivers high-performance data capture with a range of professional scanning modules. Available options include SE4770, MEFERI SE5070, and Honeywell HS7 or N6803FR, enabling fast and accurate reading of both 1D and 2D barcodes. The device ensures reliable decoding of damaged, low-quality, or screen-based barcodes in various working environments.

Advanced optics and scanning technologies provide extended coverage and flexible scanning angles, improving speed and accuracy in daily operations. The OmniSoftware Suite includes dedicated tools and utilities for configuring scanner parameters, allowing customization of barcode types, prefixes, suffixes, and decoding settings to meet specific industry requirements and ensure optimal performance across different use cases.

6.0" Capacitive Touch Display with Enhanced Visibility

Work efficiently with the ME61L's 6.0-inch IPS display featuring HD+ resolution (720 × 1440), with an optional Full HD+ configuration (1080 × 2160) for enhanced visual detail. Enhanced with Luxibright technology, the screen provides clear visuals and

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dependable readability for everyday tasks. With brightness up to 450 nits, it remains visible across different lighting conditions. The multi-mode capacitive touch supports operation with wet hands or gloves, ensuring reliable input in demanding environments. Corning Gorilla Glass III adds durability for consistent performance in daily use.



Flexible Memory Configuration

The ME61L is designed to support different operational requirements with flexible memory configurations. The standard version features 4GB RAM and 64GB eMMC storage, providing sufficient capacity for everyday business applications and data handling. For more demanding workflows, an optional configuration with 8GB RAM and 128GB eMMC storage is available, enabling smoother multitasking and efficient processing of larger data volumes. This flexibility allows businesses to select the optimal configuration based on workload intensity and project scale, ensuring balanced performance and cost efficiency.



Durability and Enhanced Protection

The ME61L is engineered for reliable operation in demanding indoor and outdoor environments, combining a rugged construction with proven durability standards. The device has been tested to withstand multiple drops from 5 ft / 1.5 m onto concrete across the full operating temperature range, ensuring stable performance in real-world working conditions.

With IP67-rated sealing, the ME61L is fully protected against dust ingress and resistant to water exposure, making it suitable for use in warehouses, logistics hubs, manufacturing sites, and field operations. In addition, the device withstands up to 1000 tumbles from 1.6 ft / 0.5 m, confirming its resistance to repeated impacts during everyday use. The display is protected by Corning Gorilla Glass III, helping prevent scratches and damage from accidental impacts. This level of protection extends the device lifecycle, reduces the risk of failures in the field, and supports lower maintenance costs, contributing to a more predictable and reduced total cost of ownership.



Versatile Accessories for Expanded Functionality

The ME61L is supported by a wide range of enterprise-grade accessories designed to extend device functionality and adapt to different usage scenarios. From single-slot and multi-slot charging solutions for efficient device fleet management to vehicle chargers for mobile workforce applications, these accessories help integrate the device into daily operations across various industries. Additional accessories such as protective cases, screen protection, wearable mounts, and ergonomic attachments enhance usability, durability, and operator comfort during daily tasks. This flexibility allows businesses to optimize workflows, improve device handling, and increase overall productivity in logistics, retail, warehousing, and field service environments.



Ergonomic Design for Everyday Productivity

The ME61L is built with a focus on ergonomics, featuring a well-balanced form factor and durable industrial materials for comfortable all-day use. The device fits securely in hand, reducing fatigue and helping operators maintain high productivity during extended shifts.

Side scan buttons enable convenient operation for both left- and right-handed users, while physical controls and on-screen navigation ensure intuitive interaction. The device also supports hand straps and protective accessories for improved handling.

When used with a protective boot, the ME61L remains compatible with charging cradles without removing the case, simplifying daily operations and reducing downtime.



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.



Advanced Wi-Fi Connectivity with Seamless Roaming

The ME61L supports Wi-Fi 5 (802.11a/b/g/n/ac) across both 2.4 GHz and 5 GHz bands, ensuring stable and efficient wireless performance in enterprise environments. Equipped with seamless roaming technologies such as 802.11r fast roaming, OKC, and PMKID caching, the device enables smooth transitions between access points without connection interruptions or data loss. This is particularly important in large warehouses, retail stores, and production facilities where continuous connectivity is essential for real-time operations. Support for WPA3 security and IPv4/IPv6 protocols further enhances network reliability, security, and compatibility with modern IT infrastructures.



Reliable Cellular Connectivity for Mobile Workforce

The ME61L delivers reliable 4G connectivity with support for WCDMA and GSM networks, ensuring stable communication for mobile workers in the field. The standard configuration includes one nano SIM and one eSIM, providing flexibility in network selection and operator management. For projects requiring enhanced connectivity reliability, an optional dual nano SIM configuration is available. This allows switching between mobile operators to maintain stable network access, especially in areas with inconsistent coverage. Such flexibility makes the device well-suited for logistics, delivery services, and field operations where uninterrupted data exchange and communication are critical.

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Bluetooth 5.0 for Enterprise Connectivity

The ME61L supports Bluetooth 5.0 (BR/EDR + BLE), ensuring fast, stable, and energy-efficient wireless communication with a wide range of enterprise peripherals. With high data transfer speed and low power consumption, the device enables reliable performance throughout extended work shifts without compromising battery life.

Bluetooth connectivity allows seamless integration with mobile printers for on-site label printing, re-labeling, and delivery documentation, as well as with headsets for voice communication and hands-free operation. Support for multiple Bluetooth profiles ensures compatibility with various accessories, expanding device functionality and enabling efficient workflow execution across logistics, retail, and field service operations.



Extended Battery Life and Hot Swap Mode

The ME61L features a high-capacity 5000mAh battery, delivering reliable and long-lasting power for extended work sessions across various industries. With support for MediaTek Pump Express Plus (PE+), the device enables fast and efficient charging, helping reduce downtime and keep operations running without delays.

Additionally, the device supports Hot Swap battery mode, allowing the battery to be replaced without restarting the operating system. This feature is especially valuable for continuous operations, as it ensures seamless battery replacement without data loss or workflow interruption. The combination of extended battery life and Hot Swap capability helps maintain consistent productivity and minimizes concerns about power availability during critical tasks.



NFC for Fast Identification and Integration

The ME61L supports NFC (13.56 MHz) with compatibility for ISO 14443 A/B, FeliCa, and ISO 15693 standards, enabling flexible use across a wide range of applications. NFC technology allows quick and convenient device pairing, such as one-tap connection with mobile printers, simplifying daily operations.

It can also be used for identification tasks, including employee authentication, access control, and loyalty program integration. Support for card emulation, reader, and P2P modes enables the device to be used in payment applications, asset tracking, and smart infrastructure scenarios such as parcel lockers, helping streamline processes and improve operational efficiency.



Reliable Positioning Across Regions

The ME61L supports multiple global navigation systems, including GPS, A-GPS, GLONASS, Galileo, and BeiDou, ensuring compatibility across different regions and network environments. This enables stable positioning performance regardless of geographic location or local infrastructure.

The device supports navigation, route tracking, and location-based operations, making it suitable for logistics, delivery services, and field work. Reliable positioning helps improve task execution, reduce delays, and maintain operational efficiency in real working conditions.



Lifecycle and Support Policy

MEFERI defines a structured lifecycle support policy, including availability of spare parts, technical support, and service continuity over time. This approach enables partners and customers to plan device deployment, maintenance, and long-term usage with confidence.

[Learn more about lifecycle and support policy](#)



Standard Warranty Coverage

The ME61L is backed by a standard warranty program that covers diagnostics and troubleshooting through repair or replacement of defective components, ensuring stable device operation and reducing downtime. Warranty conditions, procedures, and limitations are clearly defined and standardized for predictable service support.

[Learn more about warranty terms and conditions](#)



MeCare Service Contracts

MEFERI MeCare service plans provide extended and comprehensive coverage beyond the standard warranty, including protection against additional risks such as accidental damage and wear over time. These service contracts offer priority support, faster repair processing, and flexible service levels depending on project requirements. With multiple plan options and contract durations, MeCare helps ensure long-term device operation, reduce unexpected maintenance costs, and maintain consistent business performance.

[Learn more about MeCare service plans](#)



Enterprise Mobility with MDM / EMM

MEFERI devices support leading MDM and EMM solutions, helping businesses securely deploy, configure, and manage enterprise Android fleets across retail, logistics, warehousing, manufacturing, field service, and public sector operations. Google-certified devices enable fast out-of-the-box setup, including Zero-Touch Enrollment and Zero Downtime Enrollment, allowing devices to receive Wi-Fi settings, security policies, OS parameters, and required business applications within minutes through a single QR code or barcode scan. IT teams can group devices, push apps from Google Play or private stores, enforce security rules, monitor status, and perform OTA firmware or OS updates centrally. Remote diagnostics, secure remote access, geolocation, battery lifecycle insights, and usage analytics help reduce downtime, simplify support, improve control, and maximize productivity across the entire device fleet.

[Learn more about MDM / EMM solutions](#)

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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 286.5 g / 10.1 oz Without battery 186.5 g / 6.58 oz
Display	6.0 in HD+ (720 x 1440) IPS; optional FHD+ (1080 x 2160)
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	High capacity extended battery 5000mAh, With Hot Swap battery mode. Support PE+ 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 noise 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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Camera	Front: 8MP; Rear: 16MP; Rear camera supports PDAF and 1080p video shooting. Support Torch mode and Flash mode.
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NFC	ISO 14443 Type A and B; FeliCa and ISO 15693 cards; Card Emulation via Host; Reader mode, Card Emulation and P2P mode.
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Wireless WAN (WWAN), Cellular - Data and Voice Communications

GPS	GPS, A-GPS, GLONASS, Galileo, Beidou
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Cellular Standards	4G, WCDMA, GSM
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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
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Wireless LAN(WLAN), Wi-Fi

Radio	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
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Data Rates	2.4GHz: 802.11b/g/n - 20MHz, 40MHz - up to 150Mbps 5GHz: 802.11a/n/ac - 20MHz, 40MHz, 80MHz - up to 433Mbps
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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: 20/40/80MHz;
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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 (AES); EAP-TTLS(PAP, MSCHAP, MSCHAPv2); EAP-TLS; PEAPVOMSCHAPv2; PEAPv1-EAP-GTC; EAP-PWD; Enhanced Open (OWE)
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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.
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Wireless PAN (WPAN)

Bluetooth	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; Vehicle Charger; Pistol Grip; Screen Protector (Glass); Shoulder Bag; Protective Boot; Wrist/Arm Mount.

General Certifications

GMS	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

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

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MEFERI Software Suite



MeOmniSoft

OmniSoftware Suite is a powerful suite of utilities and system tools designed to extend the functionality of MEFERI devices for both end users and integration partners. It includes advanced solutions for device configuration, OS customization, application management, and workflow optimization across enterprise environments.

The suite features tools such as rapid device provisioning and configuration transfer, enterprise browser and kiosk solutions, OEM Config support, application control and lifecycle management, security patch and system update management, remote desktop (RDP) client, scanner configuration tools, OS diagnostics and modification utilities, and more.

These tools enable faster deployment, simplified device management, deeper device diagnostics, and flexible solution development across diverse industry use cases.

[Learn more about OmniSoftware Suite tools](#)



MeOmniApps

OmniIndustry App Suite is a comprehensive portfolio of industry-specific applications designed to maximize the value of MEFERI devices across real-world business scenarios. This suite includes solutions for business process automation, inventory and price management, stock control, self-scanning in retail environments, data capture, identification, payment processing, device management, secure data transmission, and more.

Developed in collaboration with global ISV and SI partners, OmniIndustry App Suite enables businesses to accelerate deployment, reduce development time, and improve operational efficiency. The portfolio is continuously expanding with proven, integrated, and market-ready applications designed for Retail, Warehouse and Distribution, Transport and Logistics, Manufacturing, Services and Field Operations, Government and Public Sector, and Healthcare.

[Learn more about OmniIndustry Suite solutions](#)

MDM EMM Solutions



MDM/EMM solutions for MEFERI devices provide a trusted, enterprise-grade approach to mobile device management and enterprise mobility. Combining MDM and EMM capabilities, they enable rapid device provisioning via Zero Touch and Zero Downtime Enrollment - allowing devices to be fully configured with all settings, applications, and connectivity in minutes through a single QR code scan at setup.

These solutions deliver centralized control across your entire device fleet, including device grouping, remote management, OTA firmware updates, application deployment and silent installation, Google Play integration, and mass updates. Advanced capabilities such as remote diagnostics and support, user management, kiosk mode, geolocation tracking, remote locking, encryption, and policy enforcement ensure full security, visibility, and operational efficiency.

Designed for scalable, secure, and efficient mobility management, these platforms support both cloud and on-premise deployment, empowering organizations to optimize performance, reduce downtime, and maximize workforce productivity across industries.

[Learn more about MDM / EMM solutions](#)

Warranty

The ME61L is covered by a 12-month hardware warranty from the date of shipment, ensuring protection during the warranty period and supporting stable device operation. Warranty service includes diagnostics and repair in accordance with defined terms and conditions, helping reduce downtime and maintain continuous business performance.

[Learn more about warranty terms and conditions](#)

MEFERI MeCare

Premium service program offering extended protection beyond the standard warranty, including comprehensive coverage for repairs, accidental damage, and additional service options tailored to project requirements. Flexible service plans help ensure long-term device reliability, reduce operational risks, and support continuous business operations.

[Learn more about MeCare service plans](#)

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