

ME635G Mobile Computer

Defining the Future of Enterprise Mobility — Optimized Performance and Seamless Integration for Modern Demands

Presenting the MEFERI ME63, the embodiment of advanced enterprise mobile computing. Powered by the efficient **Qualcomm QCM4490 octa-core processor** and running on **Android 15**, the ME63 delivers robust performance and future-proof adaptability. Featuring a **6.0-inch Luxibright touchscreen**, it ensures vibrant visuals and reliable usability in any environment. With **5G WWAN**, **Wi-Fi 6**, and seamless roaming, uninterrupted global connectivity becomes the standard. Advanced barcode scanning modules like **Zebra SE4770** and **Honeywell HS7** guarantee precise and fast data capture. Its flexible memory configurations and intelligent battery design ensure unmatched productivity during long workdays. Integrated with the **Shadowwalk EMM ecosystem** and the innovative **MeMobilityDeskWorkStation**, the ME63 transforms mobility into a cornerstone of productivity. Enhanced ruggedness and IP67 certification ensure durability in demanding environments, while comprehensive device management tools streamline enterprise workflows. Designed for retail, logistics, and field operations, the ME63 delivers the tools needed to excel in any industry. The ME63 — more than a device, it's the evolution of enterprise solutions.



5G 5G Wireless WAN (WWAN) — The Future of Connectivity

Step into the era of next-generation connectivity with the ME63's advanced **5G capabilities**. Delivering exceptional data speeds and ultra-low latency, the device is equipped with comprehensive GPS technologies, including GPS, A-GPS, GLONASS, Galileo, and Beidou, ensuring precise navigation and tracking.

Supporting a wide range of cellular standards, from GSM to 5G, the ME63 guarantees uninterrupted connectivity for your workforce, no matter where they are in the world. With an extensive suite of radio frequency bands and 5G NR specifications, the ME63 is designed to be future-ready, versatile, and ideal for global operations.



Advanced WLAN with Wi-Fi 6 Reinventing Wireless Connections

Experience the cutting edge of wireless technology with the ME63's **Wi-Fi 6** capabilities. Supporting a wide range of radio frequency bands, including **2.4GHz, 5GHz, and 6GHz**, the ME63 ensures faster, more stable, and efficient wireless connections. With enhanced data rates and optimized performance, it delivers seamless interactions for even the most demanding environments.

Security is uncompromised, with robust encryption and advanced security protocols safeguarding your data. Additionally, the **Seamless Roaming Wi-Fi 6** feature allows smooth transitions between Wi-Fi access points, ensuring continuous connectivity and maintaining data integrity, no matter the task at hand.



Optimized Processing Power

At the core of the ME63 lies the Qualcomm® QCM4490, a robust **octa-core** processor engineered for a seamless balance of performance and efficiency. Featuring **2 Cortex-A78 cores clocked at 2.4 GHz** for demanding tasks and **6 Cortex-A55 cores clocked at 2.0 GHz** for energy-efficient multitasking, the ME63 ensures smooth, responsive, and reliable operations. Designed to excel in professional applications, it delivers the power to tackle complex workflows while maintaining exceptional energy efficiency, keeping you productive in any environment.



Cutting-Edge Android 15 with GMS and AER Compliance

The ME63 operates on **Android 15**, the latest version of the world's leading mobile operating system, delivering enhanced performance, security, and user experience. As an **Android Enterprise Recommended (AER)** device, it meets Google's stringent criteria



for security, reliability, and manageability, ensuring seamless integration into modern enterprise environments. With access to **Google Mobile Services (GMS)**, the ME63 provides a suite of essential enterprise tools and APIs, facilitating efficient workflows and productivity. Committed to longevity, the device is **upgradeable to Android 18**, ensuring it remains current with future advancements and security updates. This forward-thinking approach guarantees that the ME63 stays fortified and up-to-date, aligning with the evolving needs of your business.

Note: AER certification is scheduled for completion in 2025.



Professional-Grade 6-Inch Display

The ME63 features a **6.0-inch IPS capacitive multi-touch display**, available in **1080 x 2160** or **720 x 1440** resolutions. Enhanced by **integrated MIPI interface technology**, it ensures high-speed data transmission, seamless performance, and energy efficiency. With **Luxibright technology**, the display offers vibrant colors, wide viewing angles, and a brightness of **up to 500 NIT**, providing superior visibility even in direct sunlight.

Its responsive touch panel supports use with gloves or damp hands, ensuring reliability in challenging environments. The screen's energy-efficient design maximizes device uptime, making it ideal for long workdays. Whether working indoors or outdoors, the ME63's display maintains exceptional readability, enhancing productivity.



Next-Generation Barcode Scanning Mastery

Redefining data capture standards, the ME63 is fortified with an arsenal of top-tier scanning modules. Whether you opt for the Zebra SE4770, Honeywell HS7, MEFERI SE5070, you're assured unparalleled scanning prowess for both two-dimensional and linear barcodes. Witness instantaneous data decoding, intelligently recognize even the most worn or smudged barcodes, and seamlessly capture codes from digital screens. Thanks to the groundbreaking Zebra PRMZ technology combined with advanced optics, you gain access to broader area coverage and diverse scanning angles, ensuring data capture is both precise and swift. Harness the full potential of these robust scanning features with the integrated OmniSoftware Suite, offering an exhaustive range of data processing and output functionalities.



MeMobilityDesk WorkStation: Elevate Enterprise Mobility

Step into the future with the MeMobilityDesk WorkStation, where enterprise mobility meets unparalleled versatility. Connect the ME63 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 ME63 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 ME63 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 ME63 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/us-en/solutions/me-mobilitydesk



Cameras: Precision Visual Data at Your Fingertips

The ME63 marries state-of-the-art camera technology with the demands of rigorous enterprise settings. Boasting a 16MP rear camera fortified with phase detection autofocus (PDAF) and 1080p video capability, it's designed to capture sharp, high-definition images and videos. Whether you're documenting inventory, photographing goods, or recording on-site tasks, the clarity is exceptional. Low-light conditions? No problem. Torch and flash modes ensure optimum visibility in dim environments. Beyond just imaging, its video capabilities enable effortless communication, fostering enriched collaboration with teams. In the field or on the shop floor, the ME63's camera is your essential tool for versatile visual data collection.



Memory: Flexible Configurations for Optimal Performance

The ME63 is equipped with 4GB LPDDR4X RAM and 64GB UFS storage, providing a reliable foundation for smooth multitasking and efficient data handling. For more demanding workflows, an optional upgrade to 6GB LPDDR4 RAM with 128GB UFS storage is available, offering enhanced speed and capacity for seamless data processing and storage. This flexibility ensures the ME63 adapts effortlessly to your business needs, maintaining peak performance across a variety of professional applications.



Power: Intelligent Battery for Continuous Productivity

The ME63 is powered by a **5000 mAh high-capacity intelligent battery**, ensuring consistent and prolonged operation. With **Quick Charge 3.0**, the battery recharges to full capacity in just **4 hours**, minimizing downtime. The device's **Hot Swap battery mode**, supported by a **50 mAh backup battery** and an integrated **HALL sensor**, allows seamless battery replacement before complete discharge, ensuring uninterrupted operation for **5 to 10 minutes**. During this process, the device enters a **specialized standby mode**, preserving system settings, network connections, active applications, and data integrity.

Additionally, the integrated **smart IC chip** provides real-time monitoring of charge levels, charging cycles, and temperature, enabling seamless integration with MDM/EMM platforms like Shadowwalk and SOTI. This intelligent design optimizes power management, extends uptime, and supports predictive maintenance, ensuring the ME63 delivers reliable performance in the most demanding environments.

1.5M Rugged Resilience for Demanding Environments

Engineered for endurance, the ME63 thrives in both indoor and outdoor challenges. Its resilient build has withstood multiple 5 ft./1.5m drops to concrete across varied temperatures. Thanks to its IP67 rating, this device stands strong against water, dust, and grime. Complementing its robustness is the Corning Gorilla Glass III, which shields the screen from scratches and impacts, ensuring the ME63 remains in prime condition. These protective measures not only promise longevity but also diminish maintenance expenses, optimizing the total cost of ownership.

Seamless Device Management with Shadowwalk EMM

The ME63 comes fully integrated with Shadowwalk EMM, MEFERI's advanced Enterprise Mobility Management solution, offering comprehensive control and diagnostics for Android devices equipped with Google Mobile Services (GMS). Shadowwalk EMM features a built-in app store for centralized deployment and updates, along with integration with Google Play, providing administrators the flexibility to manage applications across the entire device fleet.

This solution supports over-the-air (OTA) updates, real-time monitoring, and robust policy enforcement to ensure security and compliance. Administrators can provide remote support, analyze usage data, and optimize resource allocation, enabling informed decisions on device management and staff productivity. Whether deployed on-premises or in the cloud, Shadowwalk EMM ensures the ME63 delivers superior security, operational efficiency, and adaptability for modern enterprises.

MEFERI OmniSoftware Suite: Comprehensive Toolkit for ME63

Transform your ME63 into a powerhouse of functionality with the MEFERI OmniSoftware Suite. This suite is more than just a security solution—it's a complete toolkit that enhances every aspect of your device. At its core, GuardForce Android delivers unparalleled security, shielding against evolving threats with regular updates and Google's latest security patches.

Beyond security, the suite includes essential applications designed to maximize productivity and efficiency. From advanced scanner configuration tools and adaptable Android settings to utilities that streamline operations, every app in the OmniSoftware Suite plays a critical role in enhancing your ME63. With this suite, you get a perfect balance of robust security and versatile functionality, ensuring your ME63 is ready to tackle any professional challenge.

MEFERI OmniIndustry Suite: Tailored Solutions for Every Industry

Discover the MEFERI OmniIndustry Suite: a comprehensive package of applications designed to revolutionize industry operations. This suite combines partner solutions, seamlessly integrated with MEFERI devices, and versatile framework-based applications that can be customized to meet specific business needs. By addressing the unique challenges of diverse sectors, OmniIndustry drives efficiency, innovation, and productivity. Whether it's enhancing workflows in retail or ensuring precision in field operations, this adaptable suite empowers your organization to thrive across any industry landscape.

Unparalleled Warranty and Commitment

The MEFERI ME63 goes beyond advanced tech—it's a promise of unmatched warranty and dedicated customer care. Always ready, our seasoned teams address your queries and concerns, offering unparalleled service responsiveness. With the ME63 Mobile Computer, navigate the digital terrain confidently, backed by industry-best support.

Eco-Conscious Innovation with Regulatory Adherence

The ME63 isn't just about cutting-edge tech—it's a testament to responsible progress. Complying with RoHS Directive 2011/65/EU and its 2015/863 amendment, the ME63 upholds green initiatives, using electronics free from hazardous elements. Aligned with the EN IEC 63000:2018 standard, it underscores safety and environmental stewardship. Opt for ME63 and merge top-tier performance with conscious eco-choices.



Physical Characteristics

Dimensions	169.0 x 78.5 x 14.2 mm 6.65 x 3.09 x 0.56 in.
Weight	With battery: 280.7g /10.22 oz. Without battery: 189.7g/ 6.69 oz.
Display	6.0 in. IPS, 1080 x2160 or 720 x1440 (optional), with MIPI interface for high-speed data transmission, ensuring seamless performance, energy efficiency, and superior image quality, ideal for demanding professional environments.
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	Up to 500 NIT for exceptional clarity and visibility in any environment.
Backlight	Powered by Luxibright technology, the display delivers exceptional color reproduction and wide viewing angles, ensuring vivid visuals without limitations on aspect ratios. With a brightness of 500 cd/m ² (typ.) and 450 cd/m ² (min.), it guarantees superior sunlight visibility and enhanced contrast levels. The low-power design optimizes energy efficiency, while true black colors elevate clarity, making it ideal for professional use in diverse lighting conditions.
Power	High-Capacity Intelligent Battery (5000 mAh) with Hot Swap and QC 3.0 This 5000 mAh battery ensures uninterrupted performance with Hot Swap support and QC 3.0 fast charging , reaching 100% in just 4 hours. An integrated smart IC chip enables real-time monitoring of charge level (0-100%), charging cycles, and temperature, with seamless data integration into MDM/EMM systems like ShadowWalk and SOTI. The intelligent design enhances device uptime, optimizes power management, and enables predictive maintenance for improved operational efficiency and reliability.
Hot Swap Battery	The device features a "Hot Swap" battery mode, enabling a seamless battery exchange before complete discharge of the main battery. During a battery swap, a 50 mAh backup battery, activated via an integrated HALL sensor, ensures uninterrupted operation for 5 to 10 minutes. 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 x1
Network Connections	WLAN (Wi-Fi), WPAN (Bluetooth), WWAN (2G, 3G, 4G LTE, 5G), Pogo Pin, USB 3.0, High Speed (Host and Client)
Notifications	Ring tone; three-color LED x1 (Status: red/green; Scan: Blue); vibrate alert
Keypad	Full screen

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 3.0 with OTG +6 Pogo pin

Performance Characteristics

Processor	Qualcomm® QCM4490 is an octa-core processor featuring: 2x Cortex-A78 cores clocked at 2.4 GHz for high-performance tasks. 6x Cortex-A55 cores clocked at 2.0 GHz for energy-efficient operations.
Operating System	Android 15 (GMS & AER*) Upgradeable to Android 18 *GMS & AER will be certified during 2025
Memory	4GB LPDDR4X and 64GB UFS 6GB LPDDR4 and 128GB UFS (optional)
Security Feature	Supports Verified Boot

User Environment

Operating Temp	-20°C to 60°C -4°F to 140°F
Storage Temp	-40°C to 70°C -40 °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	1000 hits, 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, Honeywell HS7, MEFERI SE5070, intelligent barcodes and image capture technology, lightning—fast data recognition and processing, optimized visualization provide ultra-fast scanning of printed and electronic 1D and 2D barcodes. PRZM technology in zebra scanners optic, best scanning.
Camera	Front: 8MP; Rear: 16MP; Rear camera supports PDAF and 1080p video shooting. Support Torch mode and Flash mode.
Depth Camera	N/A
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	5G, LTE, WCDMA, TD-SCDMA, CDMA, GSM
Radio Frequency Band	GSM: 850/900/1800/1900; UMTS: B1/B2/B4/B5/B6/B8/B19; CDMA2000/1xEV-DO BC0; FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B19/B20/B25/B26/B28/B66/B71 TDD-LTE: B34/B38/B39/B40/B41/B42/B43; NR SA: n1/n2/n3/n5/n7/n8/n20/n25/n26/n28/n38/n40/n41/n66/n71/n77/n78; NR DL 4*4 MIMO: n7/n38/n41/n77/n78; NR SA SRS: 1T4R for n38/n41/n77/n78; HPUe: n41/n77/n78; NR NSA: n40/n41/n77/n78 EN-DC: 1A(3A/5A/8A/28A)-n40A, 1A(3A/5A/8A/20A/26A/28A/39A/71A)-n41A, 1A(2A/3A/5A/7A/8A/20A/28A/40A/41A/66A/71A)-n77A, 1A(2A/3A/5A/7A/8A/20A/26A/28A/38A/40A/41A/66A/71A)-n78A; NR CA: n1A(n2A/n3A/n5A/n8A/n28A/n71A)-n77A, n1A(n2A/n3A/n5A/n8A/n20A/n28A/n71A)-n78A LTE CA: Interband: 1A-3A, 39A-41A; Intraband: 1C, 2C, 3C, 5B, 7B, 7C, 40C, 41C, 66B, 66C, 2A-2A, 3A-3A, 4A-4A, 5A-5A, 7A-7A, 40A-40A, 41A-41A, 66A-66A

Wireless LAN(WLAN), Wi-Fi 6/6E

Wi-Fi 6/6E with Extra Benefit	Seamless Roaming Redefined—unsurpassed advantage of uninterrupted communication with new Wi-Fi 6/6E standards. ME63 Mobile Computer supports Wi-Fi 6/6E with seamless roaming, enabling automatic switching of Wi-Fi signals between access points without communication interruptions or data loss. More faster, more stable, more optimized.
Radio Frequency Band	IEEE 802.11a/b/g/n/ac Wave1&2(160MHz option) /ax/d/e/h/i/j/k/r/v/w/mc1Pv4, IPv6
Data Rates	2.4GHz: 802.11b/g/n/ax—20MHz up to 286.8Mbps 5GHz: 802.11a/n/ac/ax—20MHz, 40MHz, 80MHz, 160MHz—up to 2402 Mbps 6GHz: 802.11ax—20MHz, 40MHz, 80MHz, 160MHz—up to 2402 Mbps

Operating Channels	Channel 1–13(2401–2483MHz): 1,2,3,4,5,6,7,8,9,10,11,12,13; Channel 36–165(5150–5850 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 1–233(5925–7125MHz); Channel Bandwidth: 20/40/80/160 MHz; Actual operating channels /frequencies and bandwidths depend on regulatory rules and certification agency.
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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, PEAPv0MSCHAPv2, PEAPv1-EAP-GTC, LEAP, EAP-PWD; WPA3 Enterprise 192-bit Mode (GCMP-256)—EAP-TLS; Enhanced Open (OWE)
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Wireless PAN (WPAN)

Bluetooth	BT5.2+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 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 (AER)* 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. *GMS & AER will be certified during 2025
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UN38.3



RoHS



SRRC



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 ME63, protecting it against any defects in workmanship and materials for a duration from the date of shipment: ME63 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.

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 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.



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

Partners Software Compatibility



Additional Features



Discover the future with MeMobilityDesk, where enterprise operations transcend. Powered by the ME63, 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 GSM 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/me-mobilitydesk

