ME74 Ultra-Rugged Mobile Computer

Cold-Chain Ready Mobile Computer. Elevating Ultra-Rugged Enterprise Mobility - Embark on a Journey of Advanced Protection, Speed, and Remarkable Versatility to Confront the Future's Demands.

MEFERI ME74, the pinnacle of ultra-rugged enterprise mobility. At its core, the Qualcomm Premium CPU and Android 13 with AER accreditation ensure superior security and reliability. The vibrant 4.3-inch touchscreen responds flawlessly to wet or gloved hands, while Zebra and Honeywell scanning modules guarantee accurate barcode scanning.

With vast memory and the latest Wi-Fi 6/6E, connectivity and data handling are seamless. The ultra-protective casing, IP68 rating, and shock-resistant components withstand extreme conditions, from -30C temperatures to high impacts. The 6 Pogo pin system simplifies charging, and BT5.2 ensures efficient connections. Dual cameras (Front: 8MP; Rear: 13MP) enhance data collection versatility.

The battery's Hot Swap feature prevents interruptions, and three removable keyboards cater to various needs. The ME74 epitomizes the ultimate in ultra-rugged enterprise solutions.

FEATURES AND BENEFITS

Expansive Memory Capabilities

Armed with a prodigious memory, the ME74 stands prepared for any task, storing and processing data at lightning speeds. Whether you're dealing with mammoth-sized files or multitasking between diverse applications, the device manages all with sublime ease, ensuring zero slowdowns. Say goodbye to the frustrations of lag and embrace an era where data access feels as swift as thought.

Operate Anywhere: From Freezing Zones to Tropical Climates

Built for extreme conditions, the ME74 can operate smoothly in temperatures as low as -30°C. Whether you're in a frozen warehouse or the sweltering outdoors, this device promises unwavering performance. It's more than a device; it's a commitment to operational excellence, no matter where you are.

Endurance Excellence with 6 Pogo Pin Charging

The ME74 introduces a revolution in charging with its durable 6 Pogo pins. Unlike traditional USB connectors that wear out, these pins guarantee longevity, ensuring your device remains charged and ready for action. Embrace a future where charging is efficient, long-lasting, and reliable.

Unyielding Ultra-Rugged Design for the Toughest Environments

Step into the future with ME74's exceptional 4.3 touch screen, designed to offer clarity like never before. With impeccable responsiveness, whether you're working with wet hands or using gloves, the device responds with pinpoint accuracy. Its vibrant display breathes life into visuals when working with apps and OS, making tasks not just a routine but a visual treat.

Dual Camera Marvel: Front 8MP & Rear 13MP

Harness the power of visuals with ME74's two impeccable cameras. Whether you're photographing products, documenting shipments, or capturing crucial moments, the device's cameras ensure every detail is captured with precision. In a world where every image matters, make sure yours stands out.

Battery Brilliance with Hot Swap

The ME74 mobile computer features two battery options: a 5200mAh standard battery with EnergyBooster+ for 20 hours of work, and a 6000mAh optional battery for over 24 hours. The Hot Swap function, backed by a 10F supercapacitor, keeps the device running for 10 minutes during battery changes, preserving data and settings without rebooting. This ensures seamless transitions and uninterrupted productivity. The ME74's battery system is a cornerstone of efficiency and reliability.

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MEFERI's ME74 Connect, the Intelligent Shopper Assistant: Revolutionizing Retail Shopper Journey with AI-Powered Security. Refer to ME74 Mobile Shopper Solution for more information:
www.meferi.com/en/us/products/mobilecomputers/handheld/me74

MEFERI's OmniSoftware Suite

Enhance your ME74 with MEFERI's OmniSoftware Suite. GuardForce Android ensures top security with frequent updates and Google patches. The suite includes tools for customizing the scanner, modifying Android settings, and optimizing tasks. OmniSoftware combines protection and user-friendliness, ensuring your ME74 is secure and efficient.

Shadowalk MDM/EMM Integration

The ME74 integrates with Shadowalk MDM/EMM for comprehensive management and diagnostics of Android devices with GMS. MEFERI MDM/EMM provides OTA OS updates, app installations, device monitoring, remote assistance, policy enforcement, and usage statistics. It supports informed equipment decisions, staff performance assessment, and resource optimization. Launch MDM/EMM on-premise or in the cloud for security and organizational excellence.

SALES/REFERENCE MATERIALS

Partner Portal:
www.portal.meferi.com

Product Home:
www.meferi.com/me74

Technical Support:
www.support.meferi.com

MEFERI Solution:
www.meferi.com/solutions

MEFERI Software Suite:
www.meferi.com/en/us/products/software

Accessories:
www.meferi.com/products/accessories

Precision Scanning: Superior Barcode Recognition

The ME74 boasts state-of-the-art scanning modules from industry giants, Zebra and Honeywell. Whether you're scanning from an angle, a distance, or dealing with worn-out barcodes, these modules promise accuracy. The long-range scanning module, capable of reading barcodes up to 20 meters away, is a game-changer for high-shelf warehouse operations. Step into an age where every scan counts.

BT5.2: Connectivity Redefined

ME74's BT5.2 ensures that your device communicates with peripherals, such as mobile printers and headsets, with unmatched efficiency. With reduced power consumption and faster data transfer, enjoy seamless interactions and operations. Step into a world where connectivity knows no bounds.

Cold Chain Resilience

The ME74 mobile computer excels in cold chain management, with a heated scanner exit window and a 5200mAh cold storage battery for performance down to -22°F (-30°C). Its sensors and heaters prevent condensation, protecting the device during temperature shifts. With an IP68 rating and an operational range up to 140°F (60°C), it resists water, dust, and extreme temperatures. The ME74 is a reliable asset in the coldest parts of your workflow.

Three Removable Keyboards for Tailored Usage

The ME74 revolutionizes device input with three distinct, removable keyboards. Whether your tasks demand QWERTY configurations or a simple numeric pad, switching is a breeze. Unlike competitors that demand device replacement, ME74 offers versatility at your fingertips. Adaptability has a new name, and it's ME74.

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FEATURES

Features	MEFERI ME74	Zebra MC9300	Datalogic SKORPIO X5	POINT MOBILE PM451	Honeywell CN80/CK8x
Platform					
OS	Android 13 (GMS & AER) Upgradeable to Android 18	Android 8.1 Upgradeable to Android 14	Android 10 2 Main OS Upgrade Support	Android 9 upgradeable to Android 14	Android 7.1
Processor	Qualcomm QCM4490, octa-core, 2.4GHz	Qualcomm SD660, octa-core, 2.2GHz	Qualcomm SDA660, 2.3GHz	Qualcomm SDA660, 2.2GHz Octa Core	Qualcomm SD660, octa-core, 2.2GHz
Memory	4+64GB Max support up to 512GB	4+32GB	3+32 / 4+64GB	4+64GB	3/4+32GB
Physical Characteristics					
Dimensions	220.2 x 81.4 x 29.6 mm 8.67 x 3.20 x 1.17 in	240 x 88 x 189 mm 9.45 x 3.46 x 7.44 in	218 x 78.5 x 31 mm 8.58 x 3.09 x 1.22 in	214.94 x 77.26 39.25 mm 8.46 x 3.04 x 1.55 in	204 x 78 x 33 mm 8.03 x 3.07 x 1.30 in
Weight	16.58 oz / 470 g	26.9 oz / 765 g	17.22 oz / 488 g	15.87oz / 450 g	17.6 oz / 500 g
Display	4.3 in Multi-mode capacitive touch; wet hand operation; glove operation; screen sinks to prevent damage	4.3 in	4.3 in	4.3 in	4.2 in
SIM (5G) options	Standard: nano SIM x1 + eSIM x1 Option : nano SIM x1	No	No	1 Micro SIM slot	nano SIM x1
Keypads	Three removable keyboards for ME74: • QWERTY 39 keys (numeric buttons in the middle) • QWERTY 39 keys (numeric buttons at the bottom) • NUMERIC 31 keys Replaceable without replacing the device	Choice of seven keypads Field-replaceable	Choice of three keypads	Choice of three keypads	Choice of two keypads
Heated Scanner Exit Window	Yes Ensures clear scanning in low temperatures with robust condensation protection	Yes	No	No	No
Power					
Battery	Freezer: 5200mAh Optional: 6000mAh EnergyBooster+ tech enables 20 hours of use without charging, tested with scan button presses every 3 seconds, screen on, and constant wireless connection.	Standard: 7000mAh Freezer: 5000mAh	Standard: 3500mAh Extended: 6200mAh	Standard: 5700mAh Optional: 4000mAh	5800mAh
Battery Swap	Hot swappable	Hot swappable	Hot swappable	Yes	No
Fast Charging	Yes Supports QC 3.0, fully charges in 4 hours.	Yes	No	No	No

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FEATURES

Features	MEFERI ME74	Zebra MC9300	Datalogic FalconX4	POINT MOBILE PM351	Honeywell CN80/CK8x
Data Capture					
Scan Engine Options	Support Zebra SE4710/SE4750SR/ SE4850, Honeywell HS7/EX30/N6803FR, Newland EM6000, MEFERI SE5070 (Long Range Imager: SE4850/EX30/N6803FR/E M6000)	1D SE965 1D/2D SE4750 (SR) 1D/2D SE4750DP with Diffuser (DPM) SE4850 ER - from 3 in to 70 ft (7.62 cm to 21.3 m)	Datalogic DE2112	SE965/N6703/ EX30	1D/2D N6603ER 1D/2D EX20 near/far imager - from 6 in to 50 ft
Camera	Front: 8MP Rear: 13MP	Front: 5MP Rear: 13MP (camera not available on Freezer model)	Rear: 13MP	Top: 13MP	Rear: 13MP
Wireless Connectivity					
WLAN	Wi-Fi 6/6E 802.11a/b/g/n/ac Wave 1&2 (160MHz)/d/e/h/i/k/r/v/w/ ax, 802.11r, OKC, PMKID caching, IPv4, IPv6; 2 x 2 MU-MIMO	802.11a/b/g/n/ac/ d/h/i/r/k/w; IPv4, IPv6; 2 x 2 MU-MIMO	IEEE 802.11 a/b/g/n/ac and 802.11 d/e/h/i/k/r/v/w/mc; IPv4, IPv6; 2 x 2 MU-MIMO;	IEEE 802.11a/b/g/n/ac/d /h/i/k/r/v, IPv4, IPv6; 2 x 2 MU-MIMO	802.11a/b/g/n/ac/d /e/h/i/k/r/w; 2 x 2 MIMO
Locationing	Yes GPS, A-GPS, GLONASS, Galileo, and Beidou	No	Only indoor localization	GPS, GLONASS, Galileo and Beidou	GPS, GLONASS, Galileo, and Beidou
BlueTooth	BT 5.2 BLE	BT 5.0 BLE	BT 5.0 BLE	BT 5.0 BLE	BT 5.0 BLE
NFC	Yes (ISO 14443 Type A and B; FeliCa and ISO 15693 cards; Card Emulation via Host; Reader mode, Card Emulation and P2P mode)	Yes (optional)	Yes	Yes	Yes
Environmental					
Sealing	IP68	IP65	IP65	IP65	IP65
Freezer Operation	Yes① (Freezer model)	Yes (Freezer model)	No	Yes (Cold storage option)	Yes (Freezer model)
Operating Temperature	-30°C to 60°C -22°F to 140°F	-20°C to +50°C -4°F to 122°F	-20°C to +50°C -4°F to 122°F	-30°C to 60°C -4°F to 140°F	-20°C to 50°C -4°F to 122°F
Vibrate mode/haptic feedback	Yes (Standard, 10000 rpm Min)	Yes (Optional)	No	Yes	No
Audio and voice	2W Speaker, Dual denoise microphone, PTT voice (PTT Express pre-loaded and prelicensed), BT headsets	Speaker, microphone, PTT voice, BT headsets	Wideband Speech (HD Audio) supported on Android	Built-in microphone and speaker	Speaker, dual microphone with noise cancellation, PTT support, BT headsets

① **Heated Scanner Exit Window:** Ensures clear scanning in low temperatures with robust condensation protection.
Freezer-Rated Battery: A specialized 5200mAh battery, engineered for peak cold-chain performance.
Intelligent Temperature Detection: Advanced sensors for optimal regulation of device and LCD temperatures.
Condensation-Free Operation: Heating elements integrated to safeguard against moisture, ensuring a clear screen and scanner visibility.
Motherboard Protection Technology: Advanced defense against condensation during frequent temperature transitions, preserving motherboard integrity.

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BENEFITS

At-a-Glance Attack Strategy: ME74 Advantages					
Use these mini fight-sheets for a quick at-a-glance view of the advantages of ME74 over the primary competitive devices.	Only device in its class to offer: • A 4.3 in display, provides more real estate for apps, workers can view more business data on a single screen. • The fastest processor and most memory. • Latest Android OS. • Smallest and lightest, light enough to be comfortably carried all shift long. • A high resolution camera option. • The fastest Wi-Fi 6/6E /Bluetooth 5.2 protocol support. • Support SIM (5G) options. • Strong vibrate feedback for standard device. • Dual denoise microphones. • Supports multiple positioning systems.	• Older OS version Android 8.1, only upgradeable to Android 14. • Lower processor speed. • Less standard memory. • Heavier. • No SIM (5G) options. • Not support Wi-Fi 6/6E. • Lower Bluetooth speed. • No camera. • No positioning system. • NFC is optional. • Narrower operating temperature range. • Lower sealing standard.	• Older OS version Android 10 and shorter security lifecycle for Android. • Lower processor speed, Qualcomm SDA660 is slower than ME74's QCM4490. • Less standard memory. • Heavier. • No SIM slot. • Lower battery capacity. • Inferior data capture capabilities, only 13MP rear camera, no ront camera. • No Freezer mode. • Not support Wi-Fi 6/6E. • Only indoor localization, no GPS, GLONASS, etc. • Lower Bluetooth speed. • Lower sealing standard. • Narrower operating temperature range. • No vibrate mode/haptic feedback.	• Older OS version Android 9, only upgradeable to Android 14. • Slower Processor. • Only 1 SIM slot. • No scanner heating function. • Not support fast charging. • Fewer Scan Engine Options. • Only one top camera. • Not support Wi-Fi 6/6E. • Lower Bluetooth speed. • Lower sealing standard.	• Older Android OS and shorter security lifecycle for Android. • Smaller display. • Keypads: only two keypad options, not optimized for • gloves; not field replaceable. • Heavier. • Less memory. • Only 1 nano SIM card option. • No vibrate mode/haptic feedback. • Slower Wi-Fi/Bluetooth. • No fast charging. • No front camera.

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ACCESSORIES

MEERI ME74	Zebra MC9300	Datalogic SKORPIO X5	POINT MOBILE PM451	Honeywell CN80/CK8x
Battery	Yes	Yes	Yes	Yes
Low-temperature Battery	Yes	/	Yes	/
Single Slot Cradle	Yes	Yes	Yes	Yes
5-Slot Cradle	/	/	/	/
4-Slot Battery Charger	Yes	Yes	Yes	Yes
8-Slot Battery Charger	/	/	/	/
20-Slot Battery Charger	/	/	/	/
Pistol Grip	Yes	Yes	Yes	Yes
Pistol Grip Hand Strap	Yes	Yes	Yes	Yes
Hand Strap	Yes	Yes	Yes	Yes
Shoulder Bag	Yes	Yes	/	Yes
Holster (for Gun)	/	/	/	Yes
Screen Protector (Glass)	Yes	Yes	Yes	Yes
Power Adapter	Yes	Yes	Yes	Yes
USB Type-C Cable	Yes	Yes	Yes	Yes
Plug Cable	Yes	Yes	Yes	Yes

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Unleash Unmatched Rugged Performance with ME74: The Ultimate Enterprise Solution

Embark on a journey with MEFERI's ME74, the zenith of ultra-rugged technology for enterprise needs. A powerful Qualcomm heart synchronizes with **Android 13**, enveloped by the safety of **Android Enterprise Recommended (AER)**. ME74 adheres to Google's top enterprise standards, promising unyielding security. Its **4.3-inch** display responds brilliantly, becoming a beacon of clarity. Dive into data realms with **elite scanning capabilities, from Zebra and Honeywell**, ensuring impeccable barcode readings.

Advanced **Wi-Fi 6/6E** promises consistent connectivity, while its rugged design withstands the most demanding conditions. Embrace temperatures as low as **-30℃** and benefit from innovative charging with **the 6 Pogo pin connectors**. The **dual cameras** offer varied data collection while the **Hot Swap Battery** ensures continuous operation. Discover the epitome of rugged tech with ME74.

Superior Heating Control with MeHeating

MeHeating Software: Industry-Leading Heating Control

MeHeating is an exclusive software application developed for MEFERI's ME74, specifically designed to control and adjust heating settings on industrial terminals and data collection tablets. This software is a game-changer in environments where maintaining optimal device performance in low temperatures is critical.

Key Features

- **Automatic Heating Start:** Automatically initiates heating when ambient temperatures drop, ensuring uninterrupted device operation.
- **Constant Parameter Control:** Provides real-time monitoring and adjustment of heating parameters to maintain optimal device performance.
- **Precise Adjustment:** Allows precise control over heating settings, tailored to specific operational needs.
- **Energy Management:** Monitors and controls the device's battery energy expenditure, enhancing energy efficiency.
- **User-Friendly Interface:** Features a simple and intuitive graphical interface, making it easy to manage heating settings.

Advantages:

1. Simple Graphical Interface:

- Easy to use, ensuring quick and safe adjustment of heating settings.
- Minimal training required for end users.

2. Included with MEFERI Equipment:

- Provided free with the purchase of MEFERI mobile computers.
- Available for installation from the App Store.

3. Data Loss Protection and Energy Saving:

- Protects data integrity by maintaining optimal operating temperatures.
- Enhances battery life through efficient energy management.

4. Independent Module Heating Adjustment:

- Allows for independent control of heating for different device modules.
- Ensures specific components are heated as needed, improving overall device performance.

Competitive Edge:

- **Exclusive Feature:** ME74's MeHeating capability is a rare feature in the market, providing a distinct advantage over most competitors.
- **Market Differentiation:** While only a few competing products offer similar functionality, ME74 stands out with its comprehensive heating control and user-friendly interface.

Customer Benefits:

- **Operational Efficiency:** Ensures devices remain functional in extreme temperatures, reducing downtime.
- **Enhanced Productivity:** Keeps devices running smoothly, allowing continuous operation in harsh environments.
- **Cost Savings:** Reduces the risk of device failures due to temperature extremes, leading to lower maintenance and replacement costs.
- **Safety and Reliability:** Provides peace of mind with reliable performance and data protection.

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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, and 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**

Partners Software Compatibility

SOTI.

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.

android enterprise recommended   UN38.3   CE   FC   RoHS   GMS Google Mobile Services   IEC.   MSDS   SRRC   CCC

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.

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START YOUR NEW JOURNEY

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