MC45 All-In-One Price Checker

Empowering Stores with Advanced Technologies

Introducing the MEFERI MC45 Price Checker, an innovative attachable mobile computer designed to enhance both customer and employee experiences in retail environments. With a sleek design, robust features, and cutting-edge technology, the MC45 sets a new standard in price checking and multifunctional retail solutions.

Maximizing Retail Productivity

The MC45 Price Checker is equipped with a 10.1-inch IPS multi-touch display, a powerful quad-core processor, and versatile connectivity options. Its advanced features ensure quick and accurate price checks, streamlined operations, and improved customer service.



Superior Audio Quality

Equipped with two front-firing speakers and dual silicon microphones with active noise reduction (ANR) technology, the MC45 delivers clear and crisp audio. This ensures effective communication and enhances customer interactions in noisy retail environments.

Multi-Language Voice Playback

The MC45 supports Google Text-to-Speech (TTS) for multi-language speech playback. This feature enhances customer service by providing information in multiple languages, catering to a diverse customer base.

High-Resolution Display

The MC45 features a 10.1 inch IPS multi-touch display with a resolution of 1280 x 800 pixels. This high-resolution screen delivers clear and vibrant visuals, ensuring an optimal viewing experience for both customers and employees.

Robust Power Management

The MC45 supports Power-over-Ethernet (PoE) and a 12V/2A input voltage, offering flexible power supply options. This ensures continuous operation and efficient power management in various retail settings.

Durable and Fingerprint-Resistant Screen

The display is protected by Asahi Glass with full lamination and an AF coating, making it resistant to fingerprints and easy to clean. This enhances durability and ensures the screen remains clear and responsive, even in high-traffic retail environments.

Advanced Data Capture

With a built-in barcode scanner Zebra SE4770 and optional MEFERI SE4070 scanners, the MC45 provides fast and accurate scanningofboth 1D and 2D barcodes. This enhances inventory management and streamlines checkout processes.

Enhanced Connectivity Options

The MC45 supports multiple connectivity options, including USB-C, USB-A, Ethernet, and Power-over-Ethernet (PoE). This versatility allows seamless integration with various devices and networks, ensuring smooth and efficient operations.

NFC Capability for Instant Pairing

The NFC feature allows easy pairing with smartphones and other devices. Customers can instantly receive personalized offers, while store associates can quickly sign in using their employee badges, improving overall efficiency.

MC45: The All-In-One Price Checker
Experience the advanced capabilities of the MC45. Explore its cutting-edge features and benefits at: **www.meferi.com/mc45**

Reliable Performance

Powered by a quad-core RK3568 processor and Android 14 (upgradeable to Android 18), the MC45 delivers robust performance and supports the latest applications. This ensures smooth multitasking and reliable operation in demanding retail environments.

Flexible Mounting Options

The MC45 is compatible with standard VESA mounting, allowing easy installation on walls or other surfaces. This flexibility ensures the device can be placed in optimal locations for both customers and employees.

Comprehensive Security Features

The MC45 offers support for Google Mobile Services (GMS) . These features ensure seamless integration with enterprise applications, access to regular security updates, and enhanced device management capabilities, providing robust security and reliability for retail operations. Enhanced Wireless Connectivity.

Enhanced Wireless Connectivity

Supporting Wi-Fi 5 with MIMO 2x2 and Bluetooth 5.2, the MC45 offers fast and stable wireless communication. This ensures seamless connectivity and high-speed data transfer, essential for modern retail environments.

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

Durability in Challenging Environments

The MC45 boasts IP54-class protection against water, dust, and dirt, and has been tested to withstand multiple drops from 2.62 feet. This durability ensures reliable performance even in harsh retail 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 MC45 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

The MEFERI MC45 Price Checker is a versatile and powerful tool designed to meet the needs of modern retail environments. Its advanced features, robust performance, and durable design make it an ideal choice for retailers looking to enhance their operations and improve customer service. Choose the MC45 and maximize your stores' productivity.

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Physical Characteristics

Dimensions	261.96 x 217.49 x 38.7 mm 10.31 x 8.56 x 1.52 in
Weight	915 g / 32.28 oz / 2.02 lbs
Display	10.1 in IPS multi-touch, quick response capacitive touch panel
Active Screen Area	217 x 136 mm
Aspect Ratio	16:10
Resolution	1280 x 800
Keypad	Virtual
Cover Glass	Asahi Glass, 1.1 mm; Full lamination G+G
Coating	AF-Coated screen. It resists fingerprints, enhances durability, and makes cleaning effortless. Perfect for high-traffic retail environments.
Display brightness, NIT	350 NIT
Connectivity	USB-C: 1 x USB Type-C (transmits data only, cannot charge) USB-A: 1 x USB 2.0, 1 x USB 3.0 USB-A & USB-C can be used at the same time. Ethernet Gigabit (802.3ab, support 1000Mbit), Compatible: RJ45; Ethernet (PoE): 802.3af, 13W; 802.3at, 25.5W, with activity LEDs. External Audio in: 3.5 mm. Jack Connector, Support MIC, OMTP & CTIA compatible.
Audio	Two front-firing speakers (2 x 2w); Two silicon microphones with active noise reduction (ANR).
Noise reduction technology	Clear Communication: The dual silicon microphones with noise protection technology ensure crisp and clear audio.
Voice Playback with Google TTS (Text-to-Speech)	Supports multi-language speech playback, enhancing customer communication and service in diverse retail environments.
Extend Memory	Supports Micro SD cards up to 512GB, compatible with Class 2 to Class 10 and UHS-I SD cards.
Power	Power-over-Ethernet (PoE) Support: 802.3af: Provides up to 13W of power 802.3at: Provides up to 25.5W of power Input Voltage: 12V/2A The MEFERI MC45 offers robust power supply options, ensuring flexible and efficient power management for diverse retail environments.
Electrical Overstress (EOS) Protection	• Voltage of Charging: 300V Electrical Overstress (EOS) Protection: Protects against excessive voltage, current, and power. Enhances durability and reliability. Includes visible indicators for quick diagnostics and maintenance.
Recessed Reset Button	Pinhole design requiring a thin, solid object to press, preventing accidental activation, and ensuring secure and intentional resets.
RTC IC (CAP)	Energy storage module for reliable timekeeping during power outages.

Performance Characteristics

Processor	CPU: RK3568, Quad-Core A55 2.0GHz; GPU: Mali-G52 GPU
Operating System	Android 14 (GMS) Upgradeable to Android 18
Memory	Standard: RAM 4GB / ROM 32GB
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	10% to 85% non-condensing
Sealing	IP54 class protection from water, dust, dirt
Drop Test Report	2.62 ft / 0.8 m multiple drops to concrete over operating temp (certified test report)
Tumble Test Report	300hits, 1.6 ft / 0.5 m tumbles
Electrostatic Discharge (ESD)	±15 kV air discharge; ±8 kV direct discharge;

Sensors

Proximity Sensor	Used to automatic activation scanner. (working range 35 cm.)
G-sensor	Yes
E-Compass	Supports in PCB, default N/A

LED Indicators

LED Display Panel	Scanning indicator light: Green and Red; Power on indicator light: Green; PoE supply: RJ45 activity LEDs.

Data Capture

Scanning	30° angle scanning. Standard: Zebra SE4770. Optional: MEFERI SE4070. Zebra SE4770 intelligent barcode and image capture technology provide lightning-fast data recognition and processing, optimized visualization, and ultra-fast scanning of printed and electronic 1D and 2D barcodes. PRZM technology in Zebra scanners ensures optimal optic and best scanning performance.

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Front Camera	5MP, 1080p 60 fps with Fixed Focus
NFC	13.56MHz, ISO 14443 Type A and B; FeliCa and ISO 15693 cards; Card Emulation via Host; Reader mode, Card Emulation and P2P mode.
NFC Feature (Instant Pairing)	With NFC support, users can pair their smartphones with the MEFERI MC45 with a simple tap. Customers instantly receive personalized offers and coupons, while store associates can quickly sign in with their employee badges to assist customers.

Wireless LAN(WLAN), WiFi

Wi-Fi 5 with Extra Benefit	The MEFERI MC45 supports IEEE 802.11 standards, enabling fast roaming, Wave 2 capabilities, and stable communication with MIMO 2x2. This ensures seamless connectivity, high-speed data transfer up to 433 Mbps, and robust security with WPA3 and Enhanced Open (OWE), perfect for demanding retail environments.
Radio Frequency Band	IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w, (support Wave 2), 802.11r fast roaming, OKC, PMKID Caching, IPv4, IPv6; 2T2R 2 antenna (support MIMO 2x2).Built-in IoT Module: AP6398S.
Data Rates	• 2.4GHz: 802.11b/g/n - 20MHz, up to 144Mbps. • 5GHz: 802.11a/n/ac - 20MHz, 40MHz, 80MHz - up to 867Mbps.
Operating Channels	Channel 1-13 (2412-2472MHz): 1,2,3,4,5,6, 7,8,9,10,11,12,13; Channel 36-165 (5180-5825MHz): 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
Security and Encryption	WEP (40 or 104 bit); WPA/ WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/ WPA2 Enterprise (TKIP and AES); WPA3 Enterprise 192-bit mode (GCMP-256) -EAP-TLS; Enhanced Open (OWE)

Wireless PAN (WPAN)

Bluetooth	BT 5.2+BR/EDR+BLE, Bluetooth profiles includes HFP, PBAP, A2DP, AVRCP, OPP, SPP, GATT

Development and Integration

PCBA Reserve UART	Reserved UART interface on the PCBA, providing flexibility and convenience for software development and customization by solution integrators and in-house developers.
Over-The-Air (OTA) Updates	The MEFERI MC45 supports OTA updates, enabling seamless and efficient software updates without the need for physical connections.

Standard Accessories

Power Adapter 12V 2A, with country specific (plug: EU, CN, US, GB).

Optional Accessories

Additional accessories can be connected via USB and Bluetooth interfaces.

Mounting Options

The MEFERI MC45 features standard VESA mounting compatibility, adhering to the 75 x 75 mm specification. This allows for the attachment of third-party, off-the-shelf mounting solutions. The device has four M4 holes, each with a maximum insert depth of 8 mm, facilitating secure installation on walls in retail environments.

General Certifications

GMS	GMS - Google Mobile Services (Certified) - 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 Google Mobile Services CE FC RoHS EMC Technologies

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 Ensures the device meets stringent safety standards, reducing risks of fire, electric shock, and injury for users.
Radio Frequency Devices	47 CFR Part 15, Subpart B, Class B. Guarantees that the device operates without causing harmful interference to other electronic devices.
Digital Apparatus	ICES-003 Issue 6, Class B. Certifies that the device meets electromagnetic interference standards, ensuring reliable and stable performance.
Europe:	
Electrical Safety	EN 60950-1 2ed+A11+A1+A12+A2:2013, IEC 60950-1 2ed + A1 + A2. Ensures compliance with European safety standards for IT equipment, minimizing electrical hazards.
Environmental	EN 55032 (Class B). Ensures the device meets European emissions standards for electronic equipment, reducing environmental impact.

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IT Immunity	EN 55024. Certifies the device's resilience to electromagnetic interference, ensuring consistent performance.
Harmonic Current Emissions	EN 61000-3-2. Ensures the device does not contribute excessively to harmonic distortion in electrical networks.
Voltage Fluctuation and Flicker	EN 61000-3-3. Ensures the device's voltage emissions do not cause disturbances in the electrical supply.
Health & Safety	EN 62368-1, EN 62209-1, EN 50360, EN 50566, EN 62479, EN 50663. Guarantees the device meets rigorous health and safety standards, ensuring safe usage.
Electromagnetic Compatibility	EN 301 489-1, EN 301 489-3, EN 301 489-17, EN 301 489-19, EN 301 489-52, EN 55032, EN 55035, EN IEC 61000-3-2, EN 61000-3-3. Certifies that the device operates without electromagnetic interference, ensuring reliable communication and operation.
Effective Use of Spectrum	EN 300 328, EN 301 893, EN 300 330, EN 300 440. Ensures the device efficiently uses radio spectrum, complying with European regulations for wireless communications.

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 MC45 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

MEFERI
START YOUR NEW JOURNEY

+86 400-1818-815 meferi@meferi.com www.meferi.com

Address: Unit 3-2, Building 4, No. 2555, Section 2, Huanglong Avenue, Shuangliu District, Chengdu 610000, Sichuan, P.R. China

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