



# MO10

Independents and multiple retail stores. Create a seamless retail experience

Be mobile, be counter-top and be in-store. It's not as impossible as it sounds.

Miura's MO10 platform solution evolves the retail experience so interaction with customers is possible wherever they go and however they pay, supporting both contact and contactless transactions.

The MO10 platform connects to a tablet cash register and to all existing POS systems. It then unclips to work without cabling. It will queue-bust or serve in-store, right beside the customer to prevent lost sales.

And the usual boundaries do not apply. Take the MO10 device out of the store, to pop-up locations, seasonal exterior POS events and more. This is true Chip and Pin integration, across any retail environment.

**PAYMENTS HERE, THERE, ANYWHERE.**

Flexible configuration options



## Ergonomics/Design

The MOIOs ergonomic design is the result of our extensive experience and that of consumers in the mPOS marketplace and has enabled us to produce a PED that not only looked and felt good but was packed with features such as a sizeable easy to read screen, a large simply operated keypad and a single dock connector for both power and data.

It fits snugly into the hand for secure ease of operation. It is light and comfortable to use and when not required can be slipped into a pocket or integrated into a tablet environment.

## Mobility - Designed for Here, There and Anywhere

At Miura, we're dedicated to providing world-class solutions for all organisations, from independent market sellers to large national enterprises. The MOIO enables us to do all of this with a single handset, capable of accepting payments anytime and anywhere. The MOIO is designed to be mobile taking a merchant from outdoors to indoors integrating via Bluetooth or Wi-Fi to smartphones, tablets and existing POS infrastructures.

## Miura Payments Interface (MPI)

The MOIO runs the latest Miura Payments Interface (MPI) libraries which are designed to enable fast, secure transactions in both fixed and mobile environments and any existing investment made in developing applications for the Miura platform (Shuttle/MSeries) can easily be used with the new MOIO. These proven API's remove the need for complex payment integrations, simplifying the development effort necessary for partners to add the Miura platform into their existing Point of Sale solution, through its handling of all of the core card/EMV payment processes as well as any mobile communication processes necessary to connect with smart devices such as Android, iOS and Windows.

## Security & Performance

The MOIO provides the ultimate in both security and performance. Unrivalled payment processing speeds are delivered through its ARM based processor alongside the powerful MSCLE operating system, while the latest PCI PTS 3 certification, including SRED and open protocols, guarantees the level of security today's dynamic retail environments demand.

The MOIO is EMV Level 1 and 2 certified, enabling the delivery of essential cryptographic and key management processing requirements (DES, TDES, RSA, DUKPT).

## Connectivity

More than just a pin pad, the MOIO delivers support for all the connectivity options required by today's retail organisations, including USB, Bluetooth and Wi-Fi. In addition, the MOIO includes the Apple Authentication co-processor allowing it to connect to any iOS device.

## Reduced TCO

The MOIO delivers industry leading cost benefits including: Revive™ - an integrated platform feature allowing the recovery of a device when an OS or application related issue has rendered it inoperable.

No more redundant devices - the unique mobility of the MOIO means a single device can provide multiple payment solutions without the need to purchase further or duplicate products. Your fixed POS solution no longer needs to dictate your staffing levels or movements. With the MOIO your staff needn't be confined to the tills, missing out on important customer interaction. Instead, they directly influence the purchase by bringing payments to the customers on the retail floor and reduce the potential of lost sales opportunities.

## Open Architecture

The MOIO's open architecture easily integrates into environments with in-built barcode scanners, biometric readers, and signature panels for those in transitioning EMV markets. The MOIO includes Bluetooth for next generation customer interaction at the point of sale through Bluetooth proximity and smart beacon solutions. Our MOIO Wi-Fi option provides enhanced flexibility by leveraging existing in-store communications networks.

## Accessories

The MOIO comes with a range of accessories to work for your environment. Docking and power solutions enable you to charge and download data. For high volume environments a charging rack is included so that units can be easily switched for use. The MOIO is the perfect device to integrate into Tablet Wraps connecting optionally via a USB connector.

## Software Development (SDK)

Developed on the proven Miura Linux secure platform, the Miura MOIO is provided with an extensive SDK to allow partners the ability to develop their own applications quickly - without the need for specialised development resource and the constraints of proprietary development languages. This allows our partners to develop new and innovative solutions for all aspects of retail payments and stay ahead of the game in delivering the next generation of retail payment.



## Processor

Miura Secure 32 - Bit ARM 9 processor Linux

## Operating System

MSCLE™

## Memory

256MB FLASH and 64MB RAM

## Mobile Platform

Format agnostic: connects via Bluetooth  
Apple authentication co-processor  
OS independent (IOS/Android/Windows Mobile/Windows Desktop/  
Linux)

## Certifications

PCI PTS V3.0 Certified including Open Protocols and SRED  
UKCC  
MasterCard TQM  
CE, FCC & IC  
EMV Level I & Level II Certified (Level II off-line / on-line PIN support)

## Card Reader(s)

High rated smart card reader  
Secure Magnetic Swipe Triple Track (1, 2 & 3)  
Bi Directional

## Contactless & NFC

Embedded Contactless Reader ISO 14443 A/B & NFC support  
x4 Green LED's for Contactless Interface  
EMV Level I Certified  
EMV Level II Certified (MasterCard, Visa & ExpressPay\* Amex)  
\*Certification subject to approval

## Encryption and Key Management

Scheme Certified Remote Key Management (Data & PIN Encryption)  
DES, TDES, RSA, DUKPT  
P2PE & Tokenisation agnostic

## Key Pad

4 rows x 3 columns  
0-9 (alpha-numeric legend)  
CNL (RED) + ENT (GREEN) keys  
Single clear key (YELLOW) at base  
Bluetooth button for quick menu access for pairing, scanning, etc  
Separate on/off button

## Materials

Standard colour (black with blue rim). Coloured plastic is optional subject to minimum order quantities

## Display

OLED technology graphical display with 128 x 64 pixels, viewing area 35mm x 20mm. Provides brilliant bright text with ultra-wide reading angle in low ambient light

## Battery

800 mAh as standard

## Physical Dimension

H 103 mm x W 71 mm x D 18 mm

## Weight

118 g

## Physical Connections

Micro B USB (USB host or device)\*  
Separate fast-charge contacts  
\* The MO10 can be powered directly from standard USB including running Contactless/NFC without the need for additional power supply or proprietary cabling

## Communication

Bluetooth (v4.0) Class I  
USB Serial support can be configured and supported via the MO10 Micro B USB connector

## Optional Docking Station

Varying range of Docking Stations available for fixed retail, taxi, hospitality etc  
Fast-charge, multi-docking cradle also available

## Environmental Conditions

Storage temperature	-20°C to +60°C
Operating temperature	-20°C to +50°C
Humidity	10% to 90 % non-condensing
General standards	RHOS, WEEE, CE, FCC, IC





# MO10 PERIPHERALS

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## MO10 Peripherals



MO10 Fast Charge Rack



MO10 Fast Charge Cradle



MO10 Retail Cradle



MO10 Desktop Cradle



**Dimensions** | 273mm high x 142mm wide x 135mm deep



**Dimensions** | 122mm high x 75mm wide x 122mm deep

## MO10 Fast Charge Rack

This is a tiered rack that can accommodate up to 5 MO10 devices at one time. It fast charges the MO10 using the dedicated Fast Charge points. A full charge for an MO10 takes less than an hour. The rack can sit on a desktop or be wall mounted using the integral mounting cutouts on the rear. Powered via an external PSU. The rack does not provide any comms to the MO10 units.

## MO10 Retail Cradle

This is a cradle that holds the MO10 on top of an integrated pole mount. The MO10 is charged at the standard rate via the integrated USB connector. Full charge for an MO10 takes approximately 4 hours. The cradle also provides USB comms to the MO10 unit. The cradle can be attached to a desktop using the provided adhesive pads.



**Dimensions** | 23mm high (without MO10) x 76mm wide x 126mm deep



**Dimensions** | 29mm high (without MO10) x 75mm wide x 126mm deep

## MO10 Fast Charge Cradle

This is a desktop cradle that holds the MO10 in place and fast charges the MO10 using the dedicated Fast Charge points. A full charge for an MO10 takes less than an hour. The cradle is USB powered. The cradle does not provide any comms to the MO10 unit.

## MO10 Desktop Cradle

This is a desktop cradle that holds the MO10 in place and charges the unit at a standard rate via the integrated USB connector. Full charge for an MO10 takes approximately 4 hours. The cradle also provides USB comms to the MO10 unit.

