M010

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 M010 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 M010 platform bridges the retail ecosystem by allowing physical connection to new smart tablet cash registers as well as existing more traditional POS systems. However, it can then be undocked and also used as a mobile solution. It will queue-bust or serve in-store, right beside the customer, to prevent lost sales and make optimum use of your hardware investment.

And the usual boundaries do not apply. Take the M010 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.

ENTER PIN
x x x x

Flexible configuration options

Ergonomics/Design

The M010's 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 looks and feels good but is 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 snuggly 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 M010 enables us to do all of this with a single handset, capable of accepting payments anytime and anywhere. The M010 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 M010 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 M010. 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.

Secure and EMV Certified

The M010 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. It has PCI PTS 5.0 certification including SRED and open protocols, and can be certified as part of a point to point encryption (P2PE) solution, giving the high level of security today's dynamic retail environments demand.

The M010 is EMV Level 1 and 2 (contact and contactless) certified, enabling the delivery of essential cryptographic and key management processing requirements (DES, TDES, RSA, DUKPT).

Connectivity

More than just a pin pad, the M010 delivers support for all the connectivity options required by today's retail organisations, including USB and Bluetooth. In addition, the M010 includes the Apple Authentication co-processor allowing it to connect to any iOS device.

Reduced TCO

The M010 delivers industry leading cost benefits including: Miura 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 M010 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 M010 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.
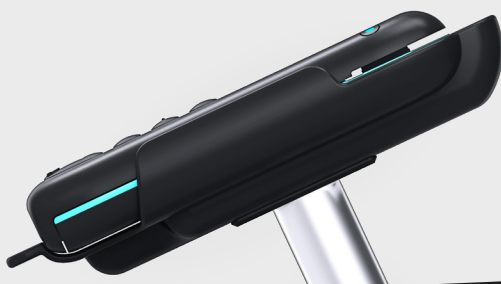
Open Architecture

The M010's open architecture easily integrates into environments with in-built barcode scanners, biometric readers, and signature panels for those in transitioning EMV markets. The M010 includes Bluetooth for next generation customer interaction at the point of sale through Bluetooth proximity and smart beacon solutions.

Accessories

The M010 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 M010 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 M010 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

Operating system: Linux™ MSCLE™

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 5.0 Certified including Open Protocols and SRED Common.SECC

MasterCard TQM, Visa Ready and Amex Enabled

RoHS, WEE, CE, FCC, IC & Anatel

EMV Level I & Level II Certified (Level II off-line / on-line PIN support)

P2PE certified

Card Reader(s)

Smart Card Reader (EMVL1, ISO 7816 T=0 & T=1)

Bi-Directional and Triple Track (1, 2 & 3) Secure Mag Stripe Reader

Contactless and NFC

Embedded Contactless Reader ISO 14443 A/B, NFC and FeliCa Support.

x4 Green LED's for Contactless Interface

EMV Level I Certified

EMV Level II Certified (MasterCard, Visa, Amex, Discover, EFTPOS, JCB and Interac)

Encryption and Key Management

Scheme Certified Remote Key Management (Data & PIN Encryption)

DES, TDES, RSA, DUKPT

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

Key Pad

4 rows x 3 columns

0-9 (alpha-numeric legend)

CNL (RED) + ENT (GREEN) keys

Single clear key (YELLOW) at base

Battery

The M010 comes with a 800 mAh battery as standard

Optional Docking Station

Varying range of Docking Stations available for fixed retail, taxi, hospitality etc

Fast-charge, multi-docking rack also available

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 M010 can be powered directly from standard USB including running Contactless/NFC without the need for additional power supply or proprietary cabling

Communication

Bluetooth (v5.0) Class 1

USB Serial support can be configured and supported via the M010 Micro B USB connector

Materials

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

Environmental Conditions

Storage temperature	-20°C to +60°C
Operating temperature	0°C to +50°C
Humidity	10% to 90 % non-condensing
General standards	RoHS, WEEE, CE, FCC, IC

M010 PERIPHERALS

GAME-CHANGING FLEXIBILITY FOR EVERY RETAIL ENVIRONMENT

The Miura M010 platform is a single solution that evolves the retail experience through its intelligent range of peripherals.

Whether used for mobile, counter-top or in-store payments, the M010 platform delivers across multiple retail environments. Use the M010 Retail Cradle peripheral to charge your M010 and connect directly to a tablet cash register and existing, more traditional, POS systems. When it needs to be mobile, it can easily be unclipped to enable queue-busting or serving in store, right beside the customer, to prevent lost sales and make optimum use of your hardware investment.

These peripherals extend the value of the M010 beyond traditional barriers, allowing the M010 to be used in wide and varied retail environments – from the dynamic, high volume, multi-device environments that are served by the Multi-Gang Charger, to the traditional connected PED systems served by the retail cradle.

PAYMENTS HERE, THERE, ANYWHERE.

M010 Peripherals

M010 Fast Charge Rack

M010 Fast Charge Cradle

M010 Retail Cradle

M010 Desktop Cradle

Dimensions	273mm h x 142mm w x 135mm d

Fast Charge Rack

Ideal for merchants with multiple devices or in a busy multi-point location.

This is a tiered rack that can accommodate up to 5 M010 devices at one time. It fast charges the M010 using the dedicated Fast Charge points. A full charge for an M010 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 M010 units.

Dimensions	122mm h x 75mm w x 122mm d

M010 Retail Cradle

Ideal for merchants who want to provide a traditional payment environment with flexibility to remove the device for mobility when required.

This is a cradle that holds the M010 on top of an integrated pole mount. The M010 is charged at the standard rate via the integrated USB connector. Full charge for an M010 takes approximately 4 hours. The cradle also provides USB comms to the M010 unit. The cradle can be attached to a desktop using the provided adhesive pads.

Dimensions	23mm h (without M010) x 76mm w x 126mm d

M010 Fast Charge Cradle

Ideal for merchants with small numbers of devices that need to be charged quickly.

This is a desktop cradle that holds the M010 in place and fast charges the M010 using the dedicated Fast Charge points. A full charge for an M010 takes less than an hour. The cradle takes power from a 2A USB wall adapter. The cradle does not provide any comms to the M010 unit.

Dimensions	29mm h (without M010) x 75mm w x 126mm d

M010 Desktop Cradle

Ideal for merchants who need to charge a device whilst still processing transactions.

When fast charging is not essential, this desktop cradle holds the M010 in place and charges the unit at a standard rate via the integrated USB connector. Full charge for an M010 takes approximately 3-4 hours during which USB communications are maintained.