



# M007

## A GAME-CHANGING PAYMENT DEVICE

Retail today demands a more radical approach to processing card payment. From multi-lane retail to queue busting, traditional desktop to mPOS and SME payment environments.

Miura once again blaze the payment trail with an all-in-one payment platform, a true game-changer.

Miura's next generation creation, the M007, is the world's most versatile, fully certified Chip and Pin device providing organisations of all sizes with an innovative card payment solution which optimises their hardware investment to deliver both fixed and mobile payments in a single solution.

**PAYMENTS HERE, THERE, ANYWHERE.**

### Flexible configuration options



mPOS



SME ePOS



Multi-lane ePOS



EFTPOS

## Secure and EMV Certified

The M007 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 3.0 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 M007 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).

Finally, the M007 has the ability to be docked securely and locked physically by key, and features a unique software immobiliser which disables the device and activates an alarm upon unauthorised removal.

## Ergonomic Design

The M007's ergonomic design is in keeping with the new breed of slick, tablet-based solutions, whilst delivering all of the features necessary to meet a high volume card payment experience. The end result is the lightest and most stylish PIN pad on the market, packed with features including a large backlit keypad and a high resolution LCD display capable of supporting QR Code generation.

## 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 M007 enables us to do all of this with a single handset, capable of accepting payments anytime and anywhere.

The M007 can be connected securely to a high volume, fixed lane POS system through its innovative cradle or be integrated with smart devices such as tablets or smartphones via Bluetooth, making it the most versatile solution on the market.

## Connectivity

More than just a pin pad, the M007 delivers support for all the connectivity options required by today's retail organisations, including USB and Bluetooth. In addition the M007 includes the Apple Authentication co-processor allowing it to connect to any iOS device.

## Reduced TCO

- > The M007 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 M007 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 M007 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 M007's open architecture easily integrates with in-built barcode scanners, biometric readers, and signature panels for those in transitioning EMV markets. The M007 also includes Bluetooth for next generation customer interaction at the point of sale through Bluetooth proximity and smart beacon solutions.

## Retail Cradle (Docking Station)

The M007 comes with a unique Retail Cradle which combines the robustness and security required for multi-lane environments (including a locking mechanism) with the unique ability to undock the device for an added value mobile solution.

## Software Development (SDK)

Developed on the proven Miura Linux secure platform, the Miura M007 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.

## Miura Payments Interface (MPI)

The M007 also 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 M007. These proven APIs 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.



## 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 V3.0 Certified including Open Protocols and SRED  
UKCC  
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 certification-ready

## Card Reader(s)

High rated 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 support  
x4 Green LED's for Contactless Interface  
EMV Level I Certified  
EMV Level II Certified (MasterCard, Visa & EFTPOS)

## Encryption and Key Management

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

## Display

High resolution backlit FFSTN graphical display with 256 x 128 pixels.  
Provides brilliant bright text

## Key Pad

4 rows x 3 columns  
0-9 (alpha-numeric legend)  
CNL + ENT keys  
Single clear key at base backlit

## Audio

Integrated buzzer

## Battery

800 mAh as standard

## Retail Cradle (Docking Station) Connection

Unique Docking Station for retail environment  
Integrated PIN shield  
PED immobiliser feature (as standard)  
Powered directly from USB without need for additional power supply  
USB-OTG (host or slave, power input or output)  
Fast-charge input  
Charging LED driver

## Physical Dimension

H 150 mm x W 80 mm x D 23 mm

## Weight

180 g



## Physical Connections

M007 connects to stand via 7 spring-pins  
Stand includes integrated cable with mini-DIN connector  
Standard cable connects mini-DIN to standard PC USB port (with no need for additional power)  
Optional cables allow other connection methods

## Communication

Bluetooth (v4.0) Class 1  
USB Serial support can be configured and supported via the M007  
Micro B USB connector

## Environmental Conditions

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

