



• Miura Shuttle – the world’s smallest, lightest, fully approved mobile Chip and Pin device



Miura Shuttle is powering payments today. Thanks to our unique ability to understand and manage payment security essentials – and incorporate those requirements into elegant, innovative and easy-to-use designs – Shuttle meets the needs of retailers, micro merchants; and business people on the move, wherever they are.

Miura Shuttle connects simply and easily via Bluetooth or WiFi to all types of smartphones, feature phones and tablets. Importantly, it does so while remaining a separate entity from these devices, so the cardholder experience is familiar and consistent with expectations. Incredibly small and light, Miura Shuttle is based on our proven, open, Linux Operating System – MSCLE™ – and is approved to transact both on-line and off-line EMV payments.

Fast ARM processor performance

Our powerful MSCLE™ Operating System is based on a fast ARM processor combined with 256 MB of memory. These deliver the power and capacity needed for interaction with multiple applications, while the MSCLE™ Operating System itself delivers optimum security, connectivity and resources.

Compliance and security

These are the fundamental, core competencies of Miura Systems, which means Shuttle has undergone rigorous testing and development to ensure compliance with all the latest security requirements for mobile payment solutions. It's approved and listed on the PCI website for achieving PCI PTS 3.0 with Open Protocols and SRED. It supports both on-line and off-line PIN, and has UK Common Criteria certification. And finally, Shuttle has successfully passed CE, FCC, and IC emissions testing.



Designed for any pocket

At Miura, we believe in challenging conventional thinking in terminal design. That's why we designed Shuttle to weigh a mere 118g and to be easily carried in a shirt pocket, trouser pocket or handbag. Though light, Shuttle is tough: it ranks as one of the strongest devices we have ever put through environment testing. Added to this, it boasts outstanding battery performance for standby and transaction throughput, making it the device every busy retailer will want to carry.

Miura Revive™ – the unique System Restore feature

Shuttle incorporates **Miura Revive™** – our unique Operating System feature which makes it possible for the merchant to make that important sale, even in the event of a system problem. Miura Revive™ performs a

structured 'revival' with the aim of restoring functionality in the quickest and most cost effective way. This maximises uptime in the store and eliminates costly 'No Fault Found' product return cycles to service centres.

Mobile-ready

Mobile payment solutions are in their ascendancy. Miura's wireless PIN entry device (PED) importantly facilitates that the cardholder's experience is entirely consistent with PIN entry on a traditional device. The cardholder retains the card, confirms the charge, shields their PIN entry, removes their own card and returns the device to the merchant. The merchant drives the process via their phone or tablet in the same way as a cash register or PC drives a traditional device.



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Processor	Miura Secure 32-bit ARM 9 Processor Linux
Operating System	Operating Systems MSCLE™
Memory	256MB FLASH and 64MB RAM
Mobile Platform	Format agnostic connects via Bluetooth Apple authentication co-processor Android Blackberry Windows
Certifications & EMV	PCI PTS V3.0 Certified including Open Protocols and SRED UKCC Certified MasterCard TQM EMV Level I & Level II Certified (Level II off-line/ on-line PIN support) CE: Conformance European to include Radio Frequency, Electromagnetic Field, Electrostatic Discharge, and Radiated Spurious Emissions Testing FCC IC
Encryption and Key Management	(Master/Session & DUKPT Key Management, Features Remote Key Injection) P2PE & Tokenisation Agnostic OS Support for SRED
Smart Card Reader	ISO 7816 T=0 & T=1 Rated 100,000 Insertions
Magnetic Swipe	Triple Track (1, 2 & 3), Hi-Coercivity, Bi-Directional Secure Magnetic Stripe Reader Feature
Display	OLED Technology graphical display with 128 x 64 pixels. 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 Separate On / Off Button located on side
Peripheral Ports	Micro USB-B connection
Physical Dimension	L97 mm x W68 mm x D18 mm Weight: 118g
Battery	Fully-integrated Li-ion cell Standby Time: Approximately 10 days: warranty for 12 months
Communication	Bluetooth® (Class 2)



For more information please contact your Integrator, VAR, Distributor or Miura Direct at www.miurasystems.com



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SafeGuard M-Case™

Multi-use protective casing for mobile payment

SpacePole®
SafeGuard
M-Case



TECHNOLOGY MOUNTING SOLUTIONS

spacepole.com

SafeGuard M-Case™ for the Miura Shuttle

The SafeGuard M-case addresses the mounting technology requirements of an increasingly mobile payment transactions marketplace.

At Ergonomic Solutions we provide solutions that address the secure and reliable payment transactions and reflect the changes in the mobile payments technology landscape.

The SafeGuard M-Case is a low profile protective casing that enables the mobile payment device to be secure and attached via a belt/pocket-clip with retractable lanyard to either or via a neck lanyard (with safety release). With M-Case, the payment device can always be attached to the operator during the transaction process making the process more secure and the terminal less likely to be the subject to any opportunist theft.

Whilst offering enhanced security, M-Case also brings enhanced protection against accidental drops to the payment terminal, therefore providing investment protection.

M-Case allows easy access for card and data transfer slots and has an option to also be wall or counter mounted. It is the ideal cost effective solution that allows the business user to make the most of the opportunities offered by mobile payment devices, whilst keeping the transaction as secure as possible.

Key features
Lightweight - only 22 grams
Minimal size – only 102mm x 73mm x 20mm
Minimalistic form factor
Low cost and value adding solution
Intuitive use and easy installation
Integrated belt clip and lanyard connection point
Integrated screw option
Wall and counter mounting options
Protects the hardware
Access to MSR- and chip reader, as well as charging and on/off button
Available in black and transparent (for PCI compliancy) with a satin finish
Black edition made from ABS high quality plastics; transparent from high quality PC

	Solution	Description
	MCMS100-BLACK	M-Case for Miura shuttle, black, with tamper seal and fixings screws
	MCMS100-CLEAR*	M-Case for Miura shuttle, transparent, with tamper seal and fixings screws
	MCMS103-BLACK	M-Case for Miura shuttle, black, with retractable holder and neck strap
	MCMS103-CLEAR*	M-Case for Miura shuttle, transparent, with retractable holder and neck strap
	MCMS104-BLACK-nn	M-Case for Miura shuttle, black, with desk stand
	MCMS104-CLEAR-nn*	M-Case for Miura shuttle, transparent, with desk stand

* PCI compliant

M-Case and PCI compliance

PCI Mobile Payment Acceptance Security Guidelines February 2013

An inherent risk with mobile devices is the fact that they are mobile. A mobile device with wireless connectivity allows it to be removed from a merchant's location, which is usually assumed to be safe and to be taken to a location that is convenient for the customer. This can provide benefits to the merchant but it also creates many security risks. One of those risks to the merchant is the ease for a criminal to steal such a terminal, modify it and return it without anyone realising it was gone.



PARTICIPATING ORGANIZATION

Since the mobile device has no fixed location, securing the use of the mobile, a clear merchant responsibility according to requirement 9.9 of the PCI DSS 3.0 standard, becomes more challenging. Remember, merchants are the last line of defence for PoS fraud and involved in the execution of the vast majority of controls suggested or required by PCI DSS. As with all of our SafeGuard products, M-Case addresses these latest PCI physical security requirements.



Ergonomic Solutions

Founded in 1996, Ergonomic Solutions has grown rapidly to become a global leader in the design, manufacture and supply of the most ergonomically advanced mounting and security solutions for a wide range of in-store, and mobile technology for markets including retail, banking, mass transit, and hospitality. Ergonomic Solutions has long been at the forefront of workspace planning and optimisation and our influential Ergonomics Consultancy has advised many of the major European retailers how to create a workspace which optimizes accessibility, usability, safety and comfort for their staff and customers.

Our suite of technology mounting solutions are designed to provide an ergonomic solution across a huge range of applications. From the shop floor to the management suite, we can deliver a solution that ensures that your IT investment makes the best use of the available workspace whilst simultaneously being protected from damage and theft.