



◦ 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 ascendency. 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.



○ Miura Shuttle™ – the world's smallest, lightest, fully approved mobile Chip and Pin device

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 or WiFi 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 500,000 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



Miura Shuttle – Changing the Way People Pay

Axis 40
Oxford Road
Stokenchurch
High Wycombe
Bucks HP14 3SX

t/ +44 (0)1494 682840
e/ info@miurasystems.com
w/ miurasystems.com



© 2012 Miura Systems Ltd. All rights reserved.
All other trademarks are the property of their respective owners.