ENTER PIN
x x x x

Miura Shuttle

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 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.

PAYMENTS HERE, THERE, ANYWHERE.

Flexible configuration options

OLED graphical display

Cradle/gang power charging point

USB power connector

Revive™ Restore Point

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..

Compliancy 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 online 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 118 g 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.

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 & 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 VVXLM505

IC

Encryption and Key Management

DUKPT Key Management, features Remote Key Injection

P2PE & Tokenisation agnostic

OS support for SRED

Smart Card Reader

ISO 7816 T=0 & T=1

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

Battery

Fully-integrated Li-ion cell

Physical Dimension

L 97 mm x W 68 mm x D 18 mm

Weight

118 g

Physical Connections

Micro B USB (USB host or device)

Separate fast-charge contacts

Communication

Bluetooth (Class 2)

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