Shuttle

MIURA SHUTTLE – ONE OF 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.

Product features

OLED graphical display

Miura Revive™ Restore Point

Cradle/gang power charging point

USB power connector

Tested, Trusted and Deployed in Volume

The Shuttle has been extensively deployed globally, and has delivered proven reliability as well as demonstrating its ability to transact at high volumes, making it one of the worlds most trusted mPOS devices.

Fast ARM Processor Performance

Shuttle matches the performance of mainstream retail PED solutions thanks to its fast ARM processor and 256 MB of memory. These deliver the power and capacity needed for interaction with multiple applications, while our powerful MSCLE™ operating system delivers optimum security, connectivity and resources. So unlike lower-end solutions, Shuttle is designed for longevity – with a core processor and performance that will meet future payment needs.

Secure and EMV Certified

Shuttle has undergone rigorous testing and development to ensure compliance with all the latest security requirements for mobile payment solutions. 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. Shuttle is also EMV Level 1 and 2 contact certified, enabling the delivery of essential cryptographic and key management processing requirements.

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. Shuttle is a trusted device which has been rigorously tested and certified in a variety of merchant environments and is widely deployed globally. 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

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)

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

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

Encryption and Key Management

DUKPT Key Management, features Remote Key Injection

P2PE & Tokenisation agnostic

OS support for SRED

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

Battery

800 mAh

Physical Dimension

L 97 mm x W 68 mm x D 18 mm

Peripheral Ports

Micro USB-B connection

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	RoHS, WEEE, CE, FCC, IC