

Miura Android Smart POS

OPENING NEW HORIZONS: WITH ANDROID

The Miura Android Smart POS (MASP) is an elegantly designed payment device that leverages the collaborative, open source world of Android, with proven Miura security.

By using the widely adopted Android platform – combined with Miura's powerful Payments Interface (MPI) – we deliver a highly adaptable platform based on Miura's ethos of fast, secure transactions and flexible APIs. This results in both easier payments and value add integrations.

Our partners get the best of both worlds: a familiar Android development environment with access to the vast array of existing Android-based applications and utilities *plus* the reassurance of additional hardened security from Miura that enhances the platform to meet the demanding needs of the payments industry.

The MASP elevates your platform to deliver an enriched Point of Sale and payments solution, which is focused on delivering business critical services along side day to day payments. Its optimised performance and high quality 5.5 inch display open up opportunities to deliver customer-facing POS solutions that seamlessly manage high volumes of daily merchant and customer interactions.

Now you can develop your mobile payments strategy based on the Android platform – while benefiting from Miura's commitment to open architectures and the seamless integration of existing applications and services. Merge your POS, mobile and payments strategy into a single platform with the MASP – and deliver a robust and scalable solution for all retail verticals.



Leverage the world of Android

Built on the Android platform, the MASP continues Miura's ethos of developing open architectures while allowing our partners freedom to develop their mobile strategy and retain control of their customer engagement applications. It allows you to transition to an unlimited world of Android-based POS apps, with familiar development tools, and Miura's trusted security features – so you can achieve far more with one multipurpose payment device.

Full support for MPI components

The MASP payment device supports our industry leading Miura Payments Interface (MPI), APIs and SDK components which allow seamless migration of existing Miura MPI-supported applications and services, regardless of your level of payment knowledge. We have also developed enhanced cryptographic controls, which continue Miura's approach of enabling our partners to control what is loaded onto their devices, including RKL, and improve the management and distribution of 3rd party applications.

Hardened security features

With the MASP, Miura provides hardened Android platform security to meet the exacting demands of the payments industry, while preserving all the flexibility of the Android platform, such as easy upgrades and re-use of applications. The Miura Android platform is fully certified to the latest industry security standards – including PCI PTS 6.x – as well as delivering global brand acceptance with EMV Level 1 and Level 2 certified kernels.

Delivering Point of Sale Experiences

For software integrators the MASP provides an essential platform delivering functionality beyond just a payment device, making the journey from payments to fully integrated POS quicker and easier to manage.

Highly customisable

The Miura Android platform continues to deliver the same high levels of customisation that allow our partners to make the Point of Sale experience their own. It's all made easy by Miura's flexible API which supports customization at both physical and logical levels.

High performance

Designed with a 2GHz Quad Core processor at its heart and 2GB RAM, the MASP delivers lightning fast performance where it's needed, delivering the ideal balance between powerful POS and payment.



Miura MASP SDK

The MASP SDK is focused on our developer community and continues to deliver an open framework of utilities and source code to allow our partners to be creative in how they integrate onto the Miura platform for both Point of Sale and payment applications.

This includes SDK and example applications in source and JAR file formats to allow our partners to further develop their own solutions without constraint. Partners also have access to our developer-focused Miura support team, which has extensive payment and integration experience.

Android Studio with Miura support

Develop in a familiar environment with Android common libraries, and standard tools such as Android Studio IDEs and Android debugging tools. The MASP also supports Java and Kotlin development, with Miura's own best practice security implementation guides online to ensure safe and easy integration for partners of all experiences.

Fully featured

The MASP is the ideal addition to the Miura Payment Platform since it delivers exceptional design, a high quality display for fully interactive solutions, the highest levels of security and one of the most flexible payment API's in the industry – in one feature-packed device.

The MASP is also future proofed to ensure you're ready for ever-changing POS and payment requirements. For example, with its built-in camera and optional bar code scanning capabilities it's ready for emerging alternative payment methods.



OS

Miura Android 11 Secure OS

Processor

2GHz Quad Core + Dedicated Crypto / Security Processor

Internal Memory

2GB RAM (LPDDR) + 16GB eMMC (Flash)

External Memory

x1 Micro SD Card Up to 64GB

Card Readers

Magnetic Card Reader JIS II - 3 Track Bi-Directional

Smart Card Reader

NFC/Contactless L1 - EMVCo 3.1a certified ISO/IEC 14443 Type A/B, FeliCa

Display

5.5 Inch Colour , Multi-Touch , Resolution 1280 * 720

Printer

57mm x 40mm - 70mm/sec

SIM/SAM

Option 1: x2 Micro SIM Slots

Option 2: x1 Micro SIM Slot
x1 e-SIM

Connectivity

4G, 3G

Bluetooth 5.0 + BLE

Wi-Fi - 2.4GHz, 5GHz 802.11 a/b/g/n/ac

Battery

Li-ion polymer 2620mAh, 7.4V, 19.4Wh

Connector/Ports

USB C OTG

Rear Charging/Comms - 5 Pogo Pin

AC/DC Power Adapter Output Ratings

5V 2A

Security

PCI PTS 6.x

SRED, Open Protocols, Pin on Glass, TRNG

Encryption Algorithms

DUKPT, AES, 3DES, RSA, ECC

Audio

1W Speaker

Buzzer

Physical LEDs

x4 LEDs for Contactless/FeliCa

Physical Keys

Power key

Configurable key

Positioning

GPS/A-GPS

Camera

Rear Facing 5 MP Auto Focus, QR Code and Bar Code reading

Size

(h) 209mm x (w) 78mm x (d) 45mm

Weight

431g (Including Paper Roll)

Storage temperature

-35°C to +70°C

Operating temperature

-10°C to 55°C (excluding charging) , 0°C to 40°C (battery charging)

Humidity

95%, non-condensing

Certifications

CB, CE, PSE, TELEC/JATE, UKCA, FCC, ISED, DoE/CEC, NrCan

Optional Features

Front Facing Camera, 2D Bar Code Scanner