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**MobileKnowledge offers a state-of-the art technology, full-reference design for your digital wallet in a wearable form factor device.**

MK101 brings a white label platform for hosting multiple payments, transport and secure access NFC cards in a light, compact module

MobileKnowledge, an expert engineering company in contactless and secure applications, introduces MK101 as their latest reference design to provide full NFC functionality to wearable devices.

The MK101 solves the most important challenges wearable manufacturers face today when trying to implement secure contactless applications such as payments, transport or access amongst others. This includes HW and SW integration, low power consumption and over-the-air (OTA) provisioning of NFC secure credentials from service providers.

Hosting a tamper-proof, “banking grade security” latest NXP’s PN80T IC, this design is fully hardware and software validated for volume deployment. It is EMVco pre-certified, and ready to host any secure application such as payment, transport, access, loyalty, and, in general, any secure credentials required for protecting transactions. A convenient, price optimized NFC wireless charging solution is included as a companion reference device.

All your cards and keys safely in one place, comfortably loaded and organized through your mobile phone application. You can choose what cards do you want, which ones do you want always active, delete and add new ones as needed. Once in your wearable device, you don’t need your mobile phone anymore: your wearable, digital wallet works for as long as you wear it.

MK101 supports a white label platform for payments, allowing the access to hundreds of banks that have already rallied the Payment Network Operators tokenization platforms. It also extends into a white label platform for MIFARE related applications, the largely dominating technology in the transport, access and loyalty cards application domain.

I believe we are at an important turn in making a reality of the first vision-promise of NFC: your connected wearable as your virtual wallet” says Pedro Martinez, founder and CEO of MobileKnowledge. “Your real wallet, with your individual cards, banking, tickets, but also your sports club, or your office access ones ... With a simplified provisioning system for secure credentials, any service providers, irrespective of their size and reach, would now be in a position to offer their “virtual” cards as simply as having them as downloads from their web-sites.

MobileKnowledge’s extensive experience on mobile and portable NFC applications, allows it to help OEMs with certification, software and hardware development, integration to provisioning platforms and final implementation of MK101 in any wearable device.

MobileKnowledge is a team of HW, SE and system engineers, experts in smart, connected and secure technologies for the IoT world. Your ideal engineering consultant for any specific support in connection with your IoT and NFC developments. We design and develop secure HW systems, embedded FW, mobile phone and secure cloud applications.

Find out more at : [www.themobileknowledge.com](http://www.themobileknowledge.com)

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