Biometric smartcard

The Power of Touch smartcard is a powerful biometric system on card solution that utilizes a live fingerprint scanner to securely verify a user identity and authorize transactions with a single touch. With only a card and the added functionalities by a self designed carrier, this technology has infinite applications such as access control, operation signing, life proof and secure data transport

Issues Faced

Security is a fundamental concern in virtual and physical worlds. The Biometric Cards are a powerful tool against fraud but still need to prove their competitive advantages. Confirmed identity, access control to facilities, secure data transportation, DPGR compliance, non-refusable operations, are just a few examples for the issues faced

Key Objectives

The M-SMART project was launched to implement a broad set of case studies, with different applications in society, in order to demonstrate the multiple applications of the biometric smartcards. While the potential beneficts from these cards are tested, its own specifications and features are redefined in order to promote the next generation for this technology

Main Results

Between January 2020 and February 2021, more than 20 solutions using biometric smartcards will be deployed in private companies and public institutions, totaling 10 in Madeira Island. Responding to currently managed issues in user authentication, access control, data transportation, health data, among others, in sectors like health, education, public facilities, tourism or transportation.

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