

Press Information ALL-IN-1-CARD.COM

Version 1.1

Title: An end to cumbersome keys, wallets and purses

Subtitle: From vision to reality

Our vision

It started with a dream. A vision. To make life simple.



Picture: bundle of keys, purse, wallet

Bundles of keys, purses and wallets - they're all superfluous! No more despairing searches for keys, tickets, cards or the correct change. No more pockets with holes in them; no more bulging jackets. And expensive key-cutting services? A thing of the past! A whole new dimension in convenience – day in, day out. And all totally adapted to suit your every need.

The ALL-IN-1-CARD.COM operating platform



Picture: ALL-IN-1-CARD.COM logo

In order to turn the vision into reality, a common standard had to be agreed for what can, in the truest sense, be called 'key technology', i.e. solid state smart card technology. To this end, leading central European users ((Aditus, Cherry, cryptovision, effeff, ExxonMobil, Faciliteam, Feig, Hess, Hewi, Hewlett Packard, HighQ, IBM, Interflex, Interlock, Junghans, Kaba Benzing, Net-Up, p-card, phg, SBG, Smart, Sommer, Sphinx, Swatch, Team Axess, Titze, UBC) and producers (AmaTech, Infineon, Legic, Philips, Texas Instruments) of solid-state smart card technology worked together for nearly 2 years at Koenigsfeld in the Black Forest to develop a marketable operating platform that met this requirement.

In doing so, criteria that had led to widespread success in the past for standard operating systems (such as VHS video and GSM mobile phones) were taken into account, e.g.:

- wide-ranging acceptance by industry
- free availability on the market and reasonable prices
- favourable licensing terms
- simplicity of technical production
- open standards

The result of their work is an open platform with the name ALL-IN-1-CARD.COM. Products based on this platform will be identified by the logo (logo). The presence of the logo will guarantee that all products that carry it are compatible with each other. In other words, that your watch, card or name tag, duly programmed with the appropriate application, will function equally well with the lock on your front door, the access system at your office, the entry system at a concert hall or football stadium as well as on public transport.

Consumers can thus compile their own bespoke collection of different products. Now that the ALL-IN-1-CARD.COM operating platform has been successfully defined, the next stage is step-by-step development of matching applications.

Applications

By far the most frequently used application for such technology will be its use as a key. Throughout the house and all around the office – every key in one watch, on one card or one key pendant.

And the first of these products are already on the market, such as the FutureWatch from Junghans.



Picture: FutureWatch

This watch could replace bundles of keys, purses and wallets forever. Extra technological features like radio controlled technology, solar technology and ceramic housing make this perhaps the most modern watch in the world.

And there is already a lock to match the key that's inside it. The 'eKEY' access control system from phg, designed for use in a domestic environment.



Picture: eKEY

In comparison to the mechanical keys that we have all used up until now, the eKEY system has many distinct advantages:

- keys are easily carried in a watch, on a card or a key pendant
- it's more comfortable and more convenient to handle than mechanical keys – simply “**Grab and go!**”
- new keys are quickly and easily authorised

- lost or stolen keys are quickly and cheaply barred, with no need to change all the locks

The Technology

When it came to choosing the technology to use for the ALL-IN-1-CARD.COM, the group focussed on ISO 14443 and decided to use the Mifare® interface platform developed by Philips. For Mifare® standard IC applications available today, it is provided with multi-application capability for up to 15 different applications on one chip. For future applications, such as digital signatures or credit card functions, this platform guarantees upwards compatible upgrading of the technology to, for example, the Mifare® ISO 14443 compatible ProX secure dual interface chip with Mifare® functionality.

Market potential – Europe’s opportunity

The market for electronic keys alone is unlimited (practically every door). It’s a market that is comparable to that for mobile phones.

And the best conditions for exploiting this huge opportunity are in Europe. The majority of the world’s leading smart card companies are based here. Moreover, Europe has a strong, broadly diversified industrial base able to bring a rich range of suitable products and services to the market, not just in Europe itself, but worldwide. Let us therefore exploit this opportunity together. Join us in offering the market new and innovative ideas based on the operating platform of the ALL-IN-1-CARD.COM! If you have any questions, please let us know.

ALL-IN-1-CARD Business Forum
Thomas Hornig
Tel: +49 761 706040
e-mail: t.hornig@all-in-1-card.com