

Sm@rtCafé® Expert

The Java Card™ Solutions



Giesecke & Devrient's latest release of Sm@rtCafé Expert optimises this product line for secure and hardware independent Java Card™ solutions. It offers powerful multi-application smart cards to your customers.

Sm@rtCafé Expert meets all current standards (Java Card™ 2.1.1, Open Platform 2.0.1') and is available on a whole family of chips, featuring an optional crypto-coprocessor and 16 K or 32 K EEPROM. It supports all kinds of solutions for the following markets:

payment, security solutions, health care, government applications and multimedia. Featuring a state-of-the-art 16 bit security controller, Sm@rtCafé Expert will strongly improve your smart card business.



Giesecke & Devrient



Benefits of Sm@rtCafé Expert

Sm@rtCafé Expert has been designed to fulfil all the requirements of modern Java Card™ based single- or multi-application smart card solutions.

Optionally, several applets can be pre-loaded into the ROM mask: for debit or credit applications, for token-based access (One-Time Password Generation), for Loyalty and for Public Key Infrastructures. The ample space thus remaining in the card's EEPROM will support you best when adding your tailor-made Java™ applets, regardless whether they are part of your earlier investments into Java™ applet technology, or whether G&D will supply an applet designed according to your present requirements.

Sm@rtCafé Expert is a highly secure and nevertheless most flexible platform for your applet solutions due to its support of very advanced security features especially for applets, such as DAP (Data Authentication Pattern) verification and multiple security domains. With its optimised and sophisticated memory management and its very high communication speed, Sm@rtCafé Expert is one of the world's leading Java Card™ implementations for your competitive business solution.

Rommed Applications

- ♦ EMV Debit / Credit
- ♦ Token-Based Access (OTP)
- ♦ Loyalty
- ♦ PKI

G&D professional services

G&D – with its wide experience in the smart card business – offers the whole service range for Java™ cards :

- ♦ Applet development
- ♦ Card manufacturing

Technical features of G&D's Sm@rtCafé Expert

- ♦ 16 bit security controller
- ♦ Java Card™ 2.1.1
- ♦ Open Platform 2.0.1'
- ♦ EMV 2000 v4.0
- ♦ T=0, T=1
- ♦ 16K / 32K EEPROM
- ♦ Up to 14K / 29K free EEPROM for user applets
- ♦ Enhanced high secure memory management
- ♦ Up to 115 kBaud communication speed
- ♦ DES, 3-DES
- ♦ Version with crypto-coprocessor: 1024 Bit RSA, SHA-1, RIPEMD-160, MD-5
- ♦ 32K versions: Multiple security domains, DAP verification 3-DES / RSA

Sm@rtCafé Professional Toolkit 2.0

- ♦ Java™ applet development
- ♦ Simulation and debugging environment
- ♦ Toolkit contains the software incl. applet loader, smart card reader, test cards

Free Personal Edition (with limited functionality) – just get your copy now directly from our website, or contact us to receive it!

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