

## Mobile Data Safe - certgate's microSD card offers flash memory encryption with Smart Card security

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Agency: **faltmann PR**



Nuremberg company to present new microSD Smart Card solution from November 4 to 6 at the Cartes & Identification 2008 in Paris

Nuremberg / Paris, October 30, 2008.- certgate's microSD Smart Card - the first microSD card worldwide featuring both, an integrated cryptographic chip and a flash memory - is now equipped with yet another encryption tool: the "certgate Mobile Data Safe". Using flash encryption, it combines safe storage of sensitive data with problem-free transportation on a pint-sized device, as well as retrieval by authorized persons from any Windows Mobile Device equipped with an SD slot. In short, sensitive information is available at all times yet protected from unauthorized access. Along with other new developments surrounding the microSD Smart Card, the new memory function will be presented by certgate GmbH at the international trade fair Cartes & Identification in Paris this November 4 to 6 (Hall 3, Booth No. 3G090).

Highest security standards and maximum mobility, all in one: The new Smart Card with Mobile Data Safe enables users to store important data in encrypted form - by virtue of the integrated crypto chip - while its micro format makes it an ideal storage device for mobile use. Users can carry sensitive information with them and - provided they know the correct PIN code - retrieve it from any mobile computer. What is more, they can even access their data from any PDA or Smartphone and, via

data link, read it on their desktops or notebooks - a clear advantage compared to USB token solutions. The certgate Smart Card microSD is currently supported by all Windows and Windows Mobile Devices; certgate plans to quickly expand the portfolio to include Blackberry and Symbian products.

**Key Qualifications: Lots of Room, Maximum Security** The maximal storage capacity available for encrypted data equals the size of the flash memory which is currently 512 MB; certgate is planning to launch a 1 GB version in 2009. The encryption tool is also contained in the flash but requires only 16 MB of memory. An autorun.exe function ensures both the driver and the application will self-install upon first use of the card. The SD encryption driver is loaded dynamically, enabling encryption/decryption of a flash memory partition based on hybrid procedure with AES 256/RSA 2048 Bit. The key pair is generated or imported upon first use of the card.

#### All Geared up for Emergencies

Encrypting the flash memory with Smart Card functions of the crypto chip was a customer suggestion, says certgate's CEO Dr. Paschalis Papagrigoriou - and gives one example of how the Mobile Data Safe can be used: "The microSD Smart Card makes it easier for IT managers to handle disaster recovery plans in accordance with company-specific security regulations: On the one hand, documents must not end up in the wrong hands - on the other, people in charge need to have those data at their fingertips at all times." As Papagrigoriou goes on to explain, Symantec's 2008 Disaster Recovery Report, which was presented this last September, impressively proves his point: Of a total of 1,000 companies surveyed, a third had to activate their Disaster Recovery Plans during the past year. "With our Mobile Data Safe, IT people are optimally prepared for these cases of emergency, which, as the report has shown, are more frequent than you would think."

The certgate Smart Card is recommended by the Federal Office for Information Security (BSI).

certgate GmbH is going to present the Smart Card microSD at the international trade fair Cartes & Identification in Paris this November 4 to 6:

Hall 3, Booth No. 3G090.

#### About certgate

certgate GmbH is based in Nuremberg, Germany. The company designs, develops, and distributes products and solutions aimed at data and communication security in mobile applications. certgate's products in microSD format offer Smart Card security for all mobile devices, specifically including Smartphones and PDAs. Equipped with these cards, mobile applications meet highest security standards, as are required, for instance, in mobile banking. Business processes can be extended to mobile terminal devices without any losses in security, leading to a marked increase in productivity.

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