

Behind Great Smartcards There Are...



... Great Systems-on-Silicon.

■ TRUSTWORTHY TRANSACTIONS

Confidence and confidentiality are the two essentials of any financial transaction. ST smartcard chips utilize many proprietary and standard security innovations. ST products for Banking, Health, Pay TV and other applications have been certified to both ITSEC level E3 High and the new ISO 15408 Common Criteria level EAL4+ making ST products as trustworthy as the transactions they enable.

Working in partnership with leaders in industry and commerce, STMicroelectronics designs and produces some of the world's most advanced Systems-on-Silicon for smartcard applications.

www.st.com/smartcard



■ CONTACTLESS

Opening up a world of free-flow access, contactless smartcards offer both security and convenience. ST contactless chips use the new ISO 14443 Type B RF protocol which supports full MCU functionality for security and 424 Kbits/sec data rates for fast transactions. Latest generation devices are designed for multi-application use reliably combining functions like ticketing with electronic purse applications for purely contactless transactions.

■ CONFIGURABLE

The challenge of smartcard implementations demands a platform with a powerful CPU and large memory capacity - a platform able to support applications in languages such as JavaCard. Designed to ensure high security and maximum asset protection, ST smartcard chips, such as the 32-bit SmartJ™, feature powerful cryptography, advanced firewall architectures and proprietary memory management techniques, allowing dedicated application downloading and configuration.

THE PEOPLE WHO MAKE
SYSTEMS-ON-SILICON
WORK FOR YOU

