



MULTOS SIM / USIM

INTRODUCING MULTOS SIM / USIM

The capabilities inherent in MULTOS enable improved service customization and portability in a secure environment are especially well suited for financial transaction based services and loyalty program applications for SIMs. MULTOS also provides an ideal means to support the concept of the SIM as a general-purpose personal key manager and security token. The unique security features of the MULTOS system can speed over-the-air SIM application administration and make available more application functionality for developers in less time, in less space and using less power than with today's multi-application SIMs.



MULTOS SIM Details

The GSM SIM is a MULTOS application built on top of an ISO/IEC 7816-4 smart card file system that has been fine tuned to reduce size and enhance performance of the MULTOS SIM and USIM. The MULTOS SIM application consists of approximately 7K bytes of executable code in the form of a ROM codelet, thereby minimizing requirements on application memory.

The size of the file system depends on the features and capacities selected by the network operator. SIM phone book and other file-system based features can be customized as desired. As an added security option, the MULTOS SIM supports the encryption of out-going SMS messages and the decryption of in-coming SMS messages using keys managed by the end-user organization. MULTOS USIM application incorporates the same capability as the SIM application and implements 3GPP TS 31.122 on the same platform.



MULTOS SIM / USIM Services

Further easing SIM and USIM deployments, StepNexus Services are able to provide operators configuration and application personalization support. StepNexus Service Partners also provide expertise and services in defining multi-functionality solutions utilizing the power of MULTOS and post-issuance management.

MULTOS: The Platform for Secure Card Services

MULTOS is the world's highest security, open standard smart card platform and the Global MULTOS Key Management Authority. It allows card issuers and application providers to share space on a single chip platform. A range of applications ranging from payment, authentication, digital identity, biometrics, loyalty, and contactless ticketing may securely reside on a MULTOS powered chip. More than 60 million MULTOS smart cards have been issued in more than 30 countries, in projects ranging from banking, national identity, campus security, secure ID and transit.

