SanDisk® Smart Storage Solutions for Mobile Network Operators

- Broadest range of smart storage solutions
- High capacity to support music, multimedia and advanced software applications
- Secure platform for efficient content and application distribution

As the world's leading flash storage supplier and innovator, SanDisk is in a unique position to offer a broad range of flash memory products that provide comprehensive, advanced data and application storage solutions and platforms for mobile network operators (MNOs).

From MNO-provisioned regular and high-capacity SIM cards to easy-to-use removable cards and USB flash drives that allow you to increase your reach, SanDisk has a complete range of smart storage solutions to fit the special needs of MNOs.

With our comprehensive product line and TrustedFlash™ technology, subscribers can enjoy premium content across a multitude of mobile devices while MNOs are empowered to more effectively generate revenue from applications like over-the-air (OTA) downloads of music, video, games and other content and premium services.

SanDisk®

Smart mobile storage solutions for your world

SanDisk offers a broad range of flash memory products and solutions that are well suited to complement the content and service offerings of mobile network operators.

In addition to a variety of SIM cards, easy-to-use removable cards and pcSIM (previously mToken) USB flash drives that allow you to increase your reach, SanDisk empowers MNOs with TrustedFlash™ technology.

TrustedFlash technology

SanDisk TrustedFlash brings memory and security together in a unique and powerful way. TrustedFlash provides a solution for bringing the value of memory cards (upgradeability, portability, etc.) to an operator's existing content offering. In addition, TrustedFlash enables new ways of deploying application and content based services to generate new revenue streams. TrustedFlash accomplishes this by combining a new generation of storage media products with a software agent running on mobile phones and other hosts.

TrustedFlash® features

- Fully backward compatible with all existing SD™-based products
- Supports all existing standard security implementations, including symmetric, RSA, and hashing
- Can be integrated to existing operators' services with no server or backend changes
- Enables new business models for content distribution
- Auto-launch and auto-connect possible on card insertion

- DRM agnostic
- Stores all user content (unprotected & protected)
- Runs DRM agent & stores all licenses
- Provides full control to user/network via SIM binding
- OTA provisioning of DRM licenses, DRM schemes and applications on TrustedFlash cards can be processed by the MNO SIM OTA platform or SanDisk DMS platform

The SanDisk family of SIM cards

- SanDisk SIM 5000 – (formerly mSIM MegaSIM) high capacity cards (128MB-1GB)
- SanDisk SIM 100 – legacy (U)SIM cards

Available in capacities up to 1-gigabyte, the SanDisk family of SIM cards is designed to give subscribers quick, secure and easy access to mobile services, providing mobile network operators (MNOs) with new and compelling revenue sources. Our innovative architecture maintains complete SIM functionality compatible with legacy industry standards, and also delivers independent processing power, high-speed interfaces, advanced cryptography and flash storage for both MNO-driven and subscriber-generated content.

Featuring abundant storage capacity, operator provisioning capabilities and independent processing power, the SanDisk SIM 5000 series revolutionizes the world of SIM cards. MNOs can easily manage and distribute high-quality content, securely and efficiently manage critical network resources and offer subscribers a range of compelling new applications. SIM 5000's architecture allows for true and easy provisioning and security.

pcSIM (previously mToken)

The pcSIM is a unique portable platform based on the ubiquitous USB flash drive that combines the best of SIM-based authentication, secure high-capacity storage, and telecom service delivery. The pcSIM is a powerful yet simple USB token that delivers SIM-based services and applications, and provides strong two-factor authentication for online services. Doubling as a secure storage device, the pcSIM empowers MNOs to offer a wide array of telecom services and personal applications that reach beyond the mobile handset.

SanDisk microSD™ Card

Measuring just 11mm x 15mm and 1mm thick, the SanDisk microSD card is the ultimate storage solution for the next generation of increasingly compact mobile phones. Available in capacities ranging from 128MB to 2GB,* SanDisk microSD card gives mobile phone designers and manufacturers more flexibility. In addition, SanDisk microSD card makes it easy for mobile phone users to store and transport their media-rich files such as music, videos and photographs.

SanDisk miniSD™ Card

The miniSD card is designed specifically to meet the needs of today's compact mobile phones. The SanDisk miniSD is based on the popular SD card and uses the same powerful, simple, high-performance interface SD offers. The miniSD provides full compatibility and interoperability with any SD host by using an available passive adapter. The miniSD card is available in 128MB to 4GB capacities.

SanDisk Memory Stick PRO Duo™ Card

The SanDisk Memory Stick PRO Duo card provides high-capacity memory with the data transfer speeds of the Memory Stick PRO™ interface. In addition to its use in mobile phones, it is also used in other mobile devices where size is critical. SanDisk Memory Stick PRO Duo cards are highly secured, using the advanced MagicGate™ copy protection technology. Available in capacities from 128MB to 4GB.

SanDisk Memory Stick Micro™ Card M2

M2 is full backwards compatible (using an adapter) with all Memory Stick PRO hosts. In addition, an optional low-voltage interface addresses the 1.8V power supply requirements of Sony Ericsson™ handsets. SanDisk Memory Stick M2 measures 12.5mm x 15mm x 1.2mm, weights 0.42 grams and is available in capacities from 128MB to 2GB.

* 1 MB = 1 million bytes, 1 GB = 1 billion bytes

SanDisk is Your Best Choice for Smart Flash Storage Solutions

As the world's largest supplier of flash data storage products, SanDisk has a unique understanding of the mobile market. For over a decade, SanDisk has been designing, manufacturing and marketing robust, reliable, high performance storage products for a wide variety of applications. SanDisk flash data storage offers you the best in overall compatibility, performance, reliability and cost. Simply put, SanDisk delivers solutions that work.

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