PC Card SDK

Key features

► Software Development Kit for CSM card drives

► Simplifies the access on user-defined and binary data formats

► Supports sw developers by API wrapper dll and detailed examples in the source code

► Documentation of CSM API and DLL interfaces

► Applicable in combination with any CSM card drive, e.g. OmniDrive USB LF

► Available for Windows XP, VISTA, 7, 8, and for 32 bit and 64 bit systems
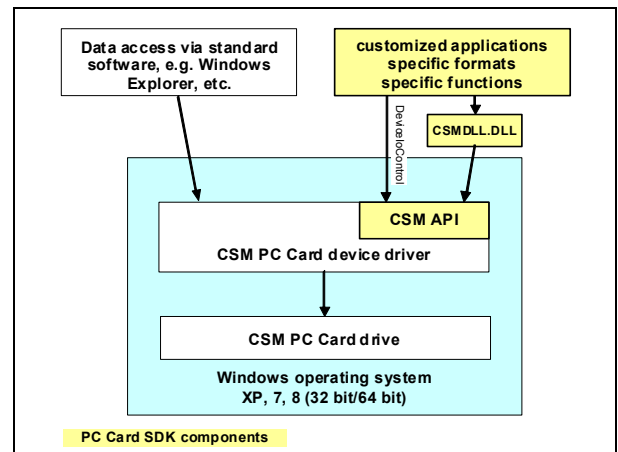

PC Card application needs

Numerous writing and reading devices are available for operating memory cards in personal computers and notebooks.

Drivers included in the scope of delivery or in the operating system itself allow these memory cards to be operated as mass storage devices by accessing them via the file system (FAT, NTFS, etc.) of the computer.

Some applications, however, can only be realized either by using specific proprietary data formats or storage media like linear FLASH cards. This applies, for example, if there are specific requirements regarding data security and protection against failure for exceptional applications – requirements which file systems of conventional personal computers do not meet.

Also, some storage media require specific functions that are not contained in the operating system, like for example:

• data acquisition systems

• configuration data records for control systems (SPS, printing machines, etc.)

• identification of linear FLASH cards, ATA, SD cards.

Support offered by PC Card SDK

CSM offers various drives for memory cards featuring drivers with additional programming interfaces, like e.g. the CSM API that is based upon the Windows OS function `DeviceIoControl`.

CSM API allows full access to all functions of the CSM device drivers, even on special functions for specific card types (linear FLASH, ATA, SD card).

This offers opportunities for software applications that cannot be realized with an operating system's standard scope of delivery.

The utility programs provided by CSM (formatter, PC Card Manager, etc.) are all based upon the CSM API and the PC SDK.

If the functionalities of these utility programs do not suffice, this gap may be closed by using customized applications. PC Card SDK facilitates the programming of such applications considerably.

PC Card SDK can be downloaded for free from the CSM website.

Innovative Measurement and Data Technology

Specification CSM PC Card SDK

Technical Data	PC Card SDK
Suitable for	OmniDrive Professional (32-bit only) OmniDrive intern Professional (32-bit only) OmniDrive USB/USB2 Professional OmniDrive USB/USB2 intern Pro OmniDrive USB/USB2 LF OmniDrive USB/USB2 LF/SD OmniDrive USB/USB2 CF OmniDrive USB/USB2 CF/SD SoftDrive Professional (32-bit only)
Operating system	Windows XP, VISTA, 7, 8 32 and 64-bit
Programming interfaces	CSM API (Windows DeviceIoControl) api wrapper dll CSMDLL.DLL
Coding examples	C++ VB / VBA C# / .NET
Documentation	CSM API and CSMDLL

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