

Advanced Card Systems Ltd.

PRODUCT SELECTION GUIDE

ACR100 SIMFlash

Combining a smart card reader and mass storage into one, the ACR100 SIMFlash is sought after in different applications worldwide. With its superior plug and play feature (delivered by either CCID or HID compliance) and various flash memory partitioning options, this USB token enhances security and flexibility in storing or running different kinds of software/applications.

		
Product Code	**ACR100 SIMFlash (CCID)**	**ACR100 SIMFlash (HID)**
Form Factor	SIM-sized card reader (Chocolate bar)	SIM-sized card reader (Chocolate bar)
Flash Memory Sizes		
1 GB	● (Default)	● (Default)
128 MB / 256 MB / 512 MB/ 2 GB / 4 GB	Upon request	Upon request
Flash Memory Partition		
Max. no. of partitions	3	3
Private/Security	Upon request	Upon request
Public/CD-ROM (Auto-run)	Upon request	Upon request
Hidden	Upon request	Upon request
Host Interface		
USB 1.1 (12Mbps)	● (Reader)	● (Reader)
USB 2.0 (480Mbps)	● (Flash Memory)	● (Flash Memory)
Supported Smart Cards		
ISO 7816-1/2/3	●	●
T=0, T=1	●	●
Memory cards *	●	
5V MCU cards	●	●
3V and 1.8V MCU cards	●	●
Spec 11.11-compliant GSM cards	●	●
Card form factor	SIM-sized	SIM-sized
Compliance & Certification		
ISO 7816-1/2/3	●	●
WHQL, PC/SC	●	●
CE, FCC	●	●
CCID**	●	
HID***		●
Supported OS Platforms		
Win 2000	●	●
Win XP	●	●
Win Vista	●	●

* Memory cards supported:

- Cards following the I2C bus protocol (free memory cards) such as: *Atmel:* AT24C01 / 02 / 04 / 08 / 16 / 32 / 64 / 128 / 256 / 512 / 1024, *SGS-Thomson:* ST14C02C, ST14C04C, *Gemplus:* GFM1K, GFM2K, GFM4K, GFM8K
- SLE4432/4442 intelligent 256 bytes EEPROM with write-protect function: SLE4432, SLE4442
- SLE4418/4428 intelligent 1K bytes EEPROM with write-protect function: SLE4418, SLE4428
- Secure memory cards such as: AT88SC153, AT88SC1608
- SLE4406/4436/5536 '104' type EEPROM non-reloadable token counter cards: SLE4406, SLE4436, SLE5536

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**What is CCID?

The USB CCID (Chip/Smart Card Interface Devices) specification defines a standard communication protocol for PC/SC smart card readers that connect to a computer via USB, allowing the same host-side driver to communicate with any CCID-compliant smart card reader. This approach to smart card reader communication brings simplified plug and play experience to users.

For Windows Vista, the Microsoft CCID driver is already pre-installed in the Windows package, so there is no need to install any drivers. For Windows XP and 2000, there may be a need for driver installation, depending on your Windows package. However, no explicit user action is needed. You just need to sit and wait for a few moments for Microsoft Windows Update to install the driver automatically upon plugging in your ACR100 SIMFlash to the PC for the first time.

In case Windows Update is not available or when you don't have Internet connection, please download (or have someone to download) the driver from the ACS website: http://www.acs.com.hk/download.php. Please note that this driver should be used only when the MS CCID driver cannot be installed for some reason.

***What is HID?

From the name itself, a human interface device or HID is a type of computer peripheral that directly communicates with humans, either by taking input from or delivering output to them.

The term "HID" usually refers to the USB HID class, a USB device class that describes HIDs such as computer mice and keyboards. HID support for the ACR100 SIMFlash brings the same plug and play convenience as when you use a mouse or a keyboard that do not require any special driver for most operating systems.

The HID driver is already pre-installed in Windows XP, 2K and Vista that is why there is no need for any driver installation.