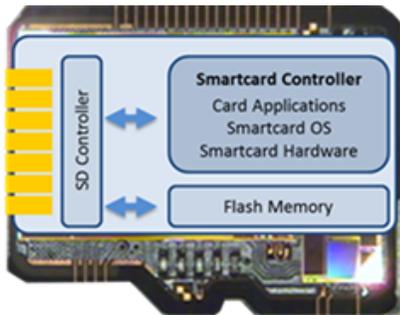


# cgCard Support



## What is cgCard?

cgCard is a full function (Java Card) smart card in a form factor of a micro SD Card. It can be used in any standard micro SD card slot, i.e. smartphones, tablets and computers. It covers the full range of smart card use cases, i.e. 2-Factor Authentication, encryption, secure key storage and others. The unique architecture of the cgCard offers an "Open Platform" for system integrators, security application vendors, and OEMs to develop customized solutions for smartcards and security tokens. certgate's microSD architecture is designed with the flexibility and the ability to be customized for the use of any ISO 7816 standard smartcards.

The operational area and the communication with the cgCard depends on the used platform which can be e.g. a smartphone or PC. Another criterion is the internal structure of the used platform and the physical interfaces. At the moment the way to access the cgCard is via certgate PC/SC interface. certgate provides an interface device driver, so that PC /SC based applications or middleware can access directly the cgCard.

**PLEASE NOTE:** cgCard will be shipped without any driver or software. It can be used on almost any platform i.e. Android, Windows or Blackberry 10. On BB10 it is supported by the BB10 OS, on Android & Windows10 the customer is responsible for OS integration. We provide only "as is" Windows Driver (see cgCard software), for Android open source software is available (to be adopted to individual needs), see cgCard FAQ.

THIS ITEM IS A DUAL-USE ITEM AND RESTRICTED FOR EXPORT TO SPECIFIC COUNTRIES. PLEASE CONTACT US IF YOU ARE NOT SURE ON EXPORT CONTROLS FOR YOUR COUNTRY.

## cgCard Highlights

Product Name/ Identifier	cgCard / CGSC
Form Factor/ Features	microSD compliant with SD Specification 3.0
Mass Storage Capacity	8 GB
Communication Protocol	Compliant with the SDA ASSD protocol FSI proprietary protocol T=1 protocol with the secure chip
Smart card hardware	Infineon SLE 78 with 80 EEPROM
Smart card OS	JTOP ID Java Card 3.0, Global Platform 2.2.1
Certifications	Hardware: Common Criteria EAL 5+ certified, RNG AIS31, FIPS-140 OS: JTOP ID, Common Criteria EAL5+ certified
Cryptographic algorithms	RSA up to 2048 bit ECC up to 512/521 bit AES up to 256 bit SHA2 up to 512 bit
Available Applets	Java card applets not included. Applets available separately. See cv sc/interface
Supported Platforms	Windows, Android, BlackBerry10 MacOS/Linux (on request)
Size/ weight	15.0mm x 11.0mm x 0.7mm
Temperature range	-25° up to 85°C