

CmCard/E



Article-No:
1030-01-xxx

Description

The CmCard/E is the heart of the CodeMeter Digital Rights Management system in a ExpressCard|34* hardware device. It contains a SmartCard chip including a secure memory with a minimum of 128 kbyte including about 60 kbyte available for storing more than 1000 licenses plus additional 1 GB flash memory which can be used as a removable drive. The basic idea of the revolutionary CodeMeter concept is that this memory can be used by many different vendors at the same time.

License Options are: Text (description of an entry), Unit Counter (number of runs or actually running time of a license), Activation Time (the license is valid from), Expiration Time (the license is valid until), Usage Period (the license is valid for a defined period since its first use), Feature Map (up to 32 modules can be programmed in one Feature Map), Network License Quantity (concurrent use / floating licenses within one network), Protected Data (read-only data, up to 256 bytes), Extended Protected Data (128x256 bytes read-only data), Hidden Data (only readable with password; useful as secret/private encryption key, 128x256 bytes), Secret Data (non-readable; useable as secret/private encryption key, 128x256 bytes), User Data (unsecured 256 bytes), Customer Serial Number (256 bytes).

Used algorithms: 128 bit AES, TDES, SHA-256, 224 bit ECC.

The embedded SmartCard chip contains a random number generator according to FIPS140-1 and fulfills EAL 4+ (Common Criteria, not certified).

Technical Specification

- **Interface:** ExpressCard|34* Standard
- **Data retention:** >10 years @ 100k program/erase cycles
- **Power supply:** 3,3 V, < 100 mA
- **Temperature:** 0..55 degree C, non-condensing
- **Case/Dimensions:** 75 mm x 34 mm x 5 mm
- **Weight:** 16 g

Certificates

The WibuCmCard/E is tested and qualified with the following standards:

- **CE-Conformity | European Certificates**
Radiated Emissions according to EN 55022/2003 (DIN VDE 0878 Part22, EN 55022:1998 + A1:2000 + A2:2003.
Immunity according to EN55024 (VDE 0878 part 24): 2003-10; EN 55024:1998 + A1:2001 + A2:2003 against:
Radiated Radio Frequency (RF) and electromagnetic field
Electrostatic Discharge (ESD), air discharge
Conducted Electromagnetic RF
Fast Transient Bursts
DIN EN 61000-3-2 (VDE 0838 part 2):2001-12;
EN 61000-3-2:2000
DIN EN 61000-3-3 (VDE 0838 part 3):2002-05;
EN 61000-3-3:1995 + Corr.: 1997 + A1:2001
- **International Certificates**
FCC Part 15, Subpart B / VCCI 2003-04 (Japan)

All CmCards are fully RoHS compliant according to EC Directives 2002/95/EC (RoHS) and 2002/96/EC (WEEE).



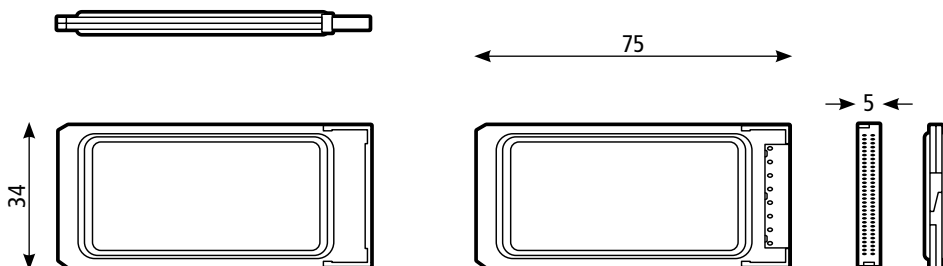
RoHS compliant
WEEE-Reg-No:
DE 90465365

Ordering Information

P/N 1030-01-104: CmCard/E 1 GByte bulk

Other variants on request.

*ExpressCard and PC Card are registered trademarks of PC-MCIA.



All dimensions in millimeter. Subject to change without notice.



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