

CmStick/IV



Article-No:

1001-03-151

Description

The CmStick/IV is the core of the CodeMeter Digital Rights Management system featuring a form factor of an internal USB interface with a standard 2x5 receptacle (2.54 mm pitch). It contains a Smart Card chip including a secure memory of about 328 kbyte available for storing thousands of licenses. The basic idea of the revolutionary CodeMeter concept is that licenses can be stored for many products even from many different vendors at the same time.

License Options are: Text (description of an entry), Unit Counter (number of runs or actually run time of a license), Activation Time (the license is valid from), Expiration Time (the license is valid until), Usage Period (starts at first time), Feature Map (up to 32 modules or versions), License Quantity (concurrent use / floating network licenses), Protected Data / Extended Protected Data (128x256 bytes read-only data), Hidden Data (128x256 bytes only readable with password; usable as secret/private key), Secret Data (128x256 bytes non-readable, only usable as secret/private key), User Data (unsecured 256 bytes), Customer Owned License Information (256 bytes).

Used algorithms in firmware 4.10: 128 and 256 bit AES, SHA-256, 1024, 2048 and 4096 bit RSA, 224 bit ECC.

The used SmartCard chip fulfills EAL 5+ (Common Criteria certified) and contains a random number generator.

Technical Specifications

The CodeMeter technology is covered by US 7.145.297 and other patents.

- Interface: Full-Speed USB 2.0, compatible with USB3.1/3.0/2.0/1.1, Mass Storage Communication (MSC) or Human Interface Device (HID), HID default
- CodeMeter License memory:
 - Data retention: 10 years at room temperature
 - Data endurance:
 - Unit Counter: up to 500 million decrements
 - Other license parameter: up to 10 million updates to one license
- Power supply: 5 V bus-powered,
- Power Rating: < 20 mA, typical 10mA
- Temperature: -25° C ... + 85° C, non-condensing
- MTBF (Mean Time Between Failures): > 40 Million hours @25°C (Siemens SN29500-1 (2005))
- Dimensions (L x W x H): 12.7mm x 5mm x 21.7mm
- Weight: CmStick/IV 2g
- Warranty: 36 months

Certificates

The CmStick/IV is tested and qualified with the following standards:

CE-Conformity | European Certificates

CmStick/IV is fully compliant with all applicable European regulations.

- 2014/30/EU EMC: Report Bureau Veritas File CE180718D10, 2018-08-15
 - EN55022:2010/AC:2016, IEC/CISPR 32:2015, class B
 - EN55024:2010+A1:2015, IEC/CISPR 24:2010+AMD1:2015
 - EN55032:2015, AS/NZS IEC/CISPR 32:2015
- All CmStick/IV are fully compliant according to EU Directives 2011/65/EU (RoHS), 2015/863/EU (RoHS amendment), SJ/T 11363-2014 (China RoHS2), 2012/19/EU (WEEE), 1907/2006/EC (REACH), 207/2011/EU (PFOS -REACH Annex XVII), 1272/2013/EU (PAH-REACH Annex XVII), and 1272/2013/EU (DINP-REACH Annex XVII).

International Certificates

- 47 CFR FCC, Part 15, Subpart B (2017), class B: Report Bureau Veritas File FD180718D10
- VCCI Class B ITE: Acceptance No. 2015049667, 2015-12-23
- KCC (South Korea): MSIP-REM-XWK-1001-03-XYZ, 2016-02-05
- BSMI (Taiwan): D43250 RoHS,
- ACMA (RCM): RCM20180091804-C, 2018-09-19

Other Certificates

- VDE License No. 129382
- C-UL-US listed I.T.E. Accessory 10 WB, E-File 211202

The encryption device is only for use with UL Listed PCs (low power system). Meets UL 60950-1 and CSA C22.2 No. 60950-1 Safety of Information Technology Equipment.

Ordering Information

P/N 1001-03-151: CmStick/IV bulk

RoHS compliant
WEEE-Reg-No:
DE 90465365

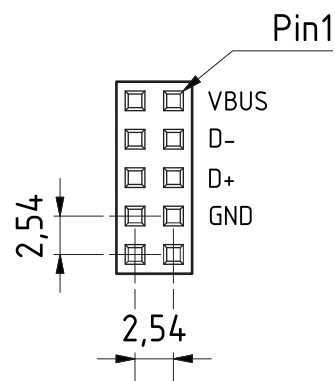
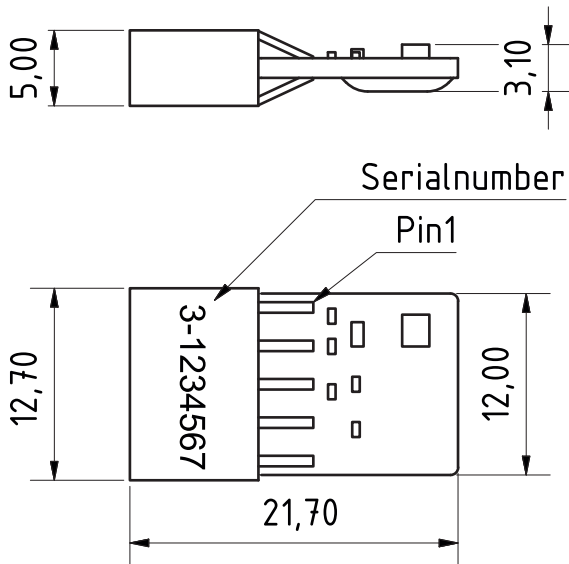


WIBU-SYSTEMS AG
Rueppurrer Strasse 52-54
D-76137 Karlsruhe
Tel: +49-721-93172-0
Fax: +49-721-93172-22
info@wibu.com
www.wibu.com

Technical Drawing

Article-No:

1 0 0 1 - 0 3 - 1 5 1



all other pins are not connected

All dimensions in millimeter. Subject to change without notice.

WIBU-SYSTEMS AG
Rueppurrer Strasse 52-54
D-76137 Karlsruhe
Tel: +49-721-93172-0
Fax: +49-721-93172-22
info@wibu.com
www.wibu.com