CmStick | CmStick ME

1 0 0 1 - 0 3 - 1 x 0

1 6 1 0 - 5 0 1 8

Description

CmStick represents the heart of the CodeMeter Digital Rights Management system in a USB device form factor with a very small and noble case. It contains a smart card chip with 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 at the same time, with full multivendor capabilities.

License Options include: Text (description of an entry), Unit Counter (number of runs or actually run time of a license), Activation Time (time the license is valid from), Expiration Time (time the license is valid until), Usage Period (starts at first use), Maintenance Period (according to release date), 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 (256 bytes, unsecured), Customer Owned License Information (256 bytes).

Encryption algorithms used in firmware 4.50 with serial number 3-3440000 or higher: 128 and 256-bit AES, SHA-256, 1024, 2048 and 4096-bit RSA, 224-bit ECC.

The integrated smart card chip fulfills the evaluation level EAL 5+ (Common Criteria certified) and contains a random number generator. The CmStick has a green and a red LED.

Technical Specifications

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

- Interface: USB A-type connector, Full Speed USB 2.0 – USB 3.2 compatible
- Communication protocol: Mass Storage Device (MSD) 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 each license.
- Power supply: 5V bus-powered, < 20 mA (LEDs off, typical 6 mA), < 50 mA (both LEDs on)
- Operating and storage temperature:
  - 1001-03-100 CmStick, plastic case:
    - -25° C ... +55° C, non-condensing
  - 1001-03-130 CmStick, metal case:
    - -25° C ... +85° C, non-condensing
- MTBF (Mean Time Between Failures): > 3 Million hours
- Case / Dimensions: Noble plastic case, 8 mm x 16 mm x 52.5 mm, stick with protective cover: 12 mm x 25 mm x 88 mm
- Weight: CmStick 6 g, Cover 8 g
- Warranty: 36 months

Certificates

The CmStick is tested and qualified in accordance with the following standards:

CE-Conformity | European Certificates

CmStick is fully compliant with all applicable European regulations.

- 22014/30/EU EMC: Report Bureau Veritas File CECFPE-WTW-P22020697, 2022-03-22
  - EN55032:2015+A11:2020 Class B, IEC/CISPR 32:2015+Cor1:2016
  - EN55035:2017+A11:2020, IEC/CISPR 35:2016
  - AS/NZS CISPR32:2015+AMD1:2020, Class B, IEC/CISPR32:2015+AMD1:2019
- All CmStick units are fully compliant with EU Directives 2011/65/EU (RoHS), 2015/863/EU (RoHS amendment), SJ/T 11364-2014 (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 CICFPE-WTW-P22020697, 2022-03-22
- ICES-003:2017 Issue 7, Class B
- VCCI 32-1 Class B ITE: Acceptance No. 2021067439
- KCC (South Korea): MSIP-REM-XWK-1001-03-1XY, 2016-02-24
- BSMI (Taiwan): D43250 RoHS
- ACMA (RCM): RCM20180091804-C, 2018-09-19
- EAC TP 037/2016: ЕАЭС N RU Д-DE.PA01.B.25142/20

Other Certificates

- VDE License No. 129382
- C-UL-US listed I.T.E. Accessory 10 WB, E-File 211202, 2018-07-30

This encryption device is only for use with UL Listed PCs. It meets UL 60950-1 and CSA C22.2 No. 60950-1 Safety of Information Technology Equipment standards.

Ordering Information

- P/N 1001-03-100: CmStick bulk
- P/N 1001-03-130: CmStick ME bulk
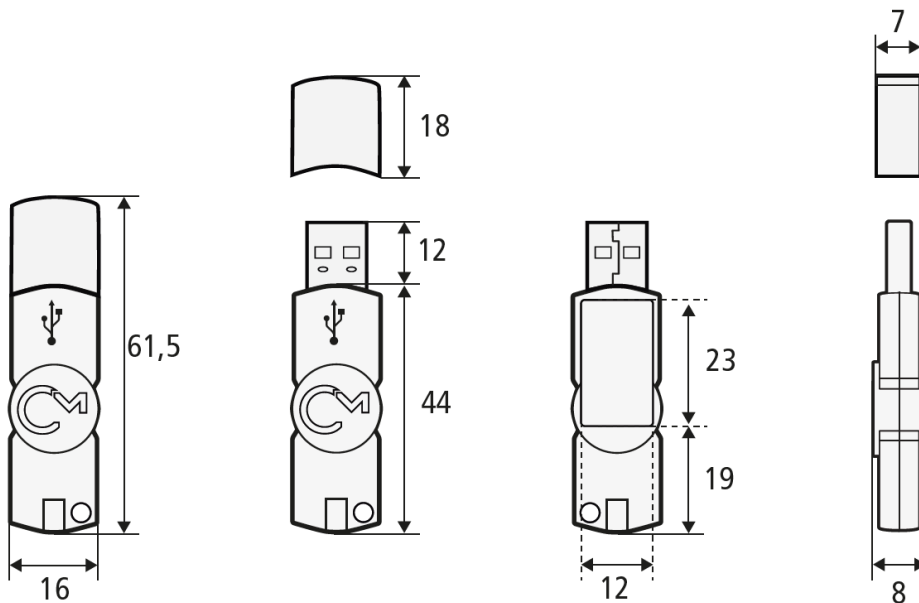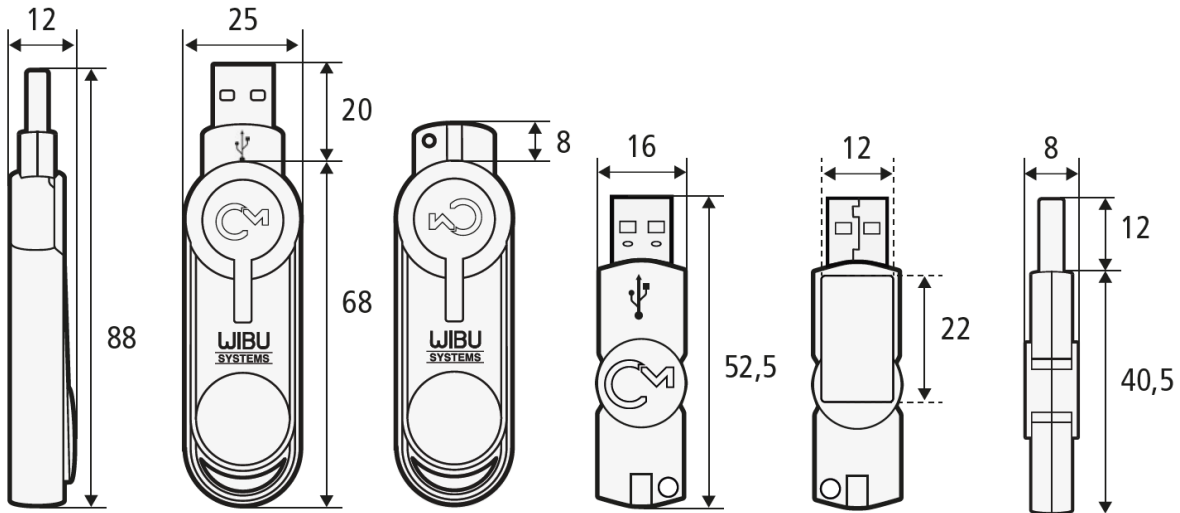- P/N 1610-5018: Cover with clamp | RAL 5018

Variants with custom cases, color finishes, or labels available on demand.

RoHS compliant
WEEE-Reg-No:
DE 90465365

VDE

c UL us LISTED

CE

UKCA

FC

EAC

VCI

KC

D43250 RoHS

방송통신위원회

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Technical Drawing