



Available Q4/2015

Product Brief

CodeMeter μ Embedded

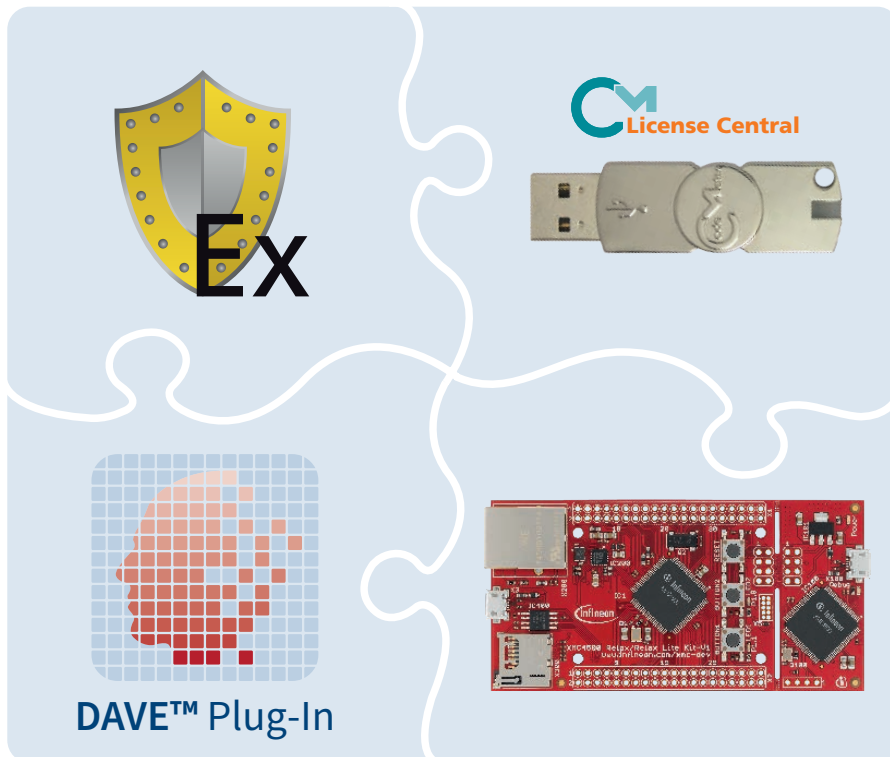
Security Embedded in XMC4000



CodeMeter Embedded enhances the standard tool chain to provide secure firmware updates or functional upgrades in embedded systems built around XMC4000 microcontrollers.

Based on the market proven CodeMeter solution for processor level control it addresses the specific needs for firmware updates or upgrades of Microcontroller based systems: code integrity, license control, reverse engineering protection and code copy protection.

Toolchain



Applications

Firmware updates or upgrades of microcontroller-based systems in factory and building automation

- Motor & actuator control
- Real-time communication
- Digital power control
- Sensor data processing

Features

- ExProtector for microcontrollers
- GUI as DAVE plug-In
- License Central license management
- Master CmDongle as secure key store
- XMC4000 development kit

Benefits

- Easy to use security solution with state of the art cryptography
- Multiple use cases based on one technology and toolchain
- Effective firmware protection against copying and reverse engineering
- Function upgrades without firmware exchange
- Secure firmware update in an unsecure environment

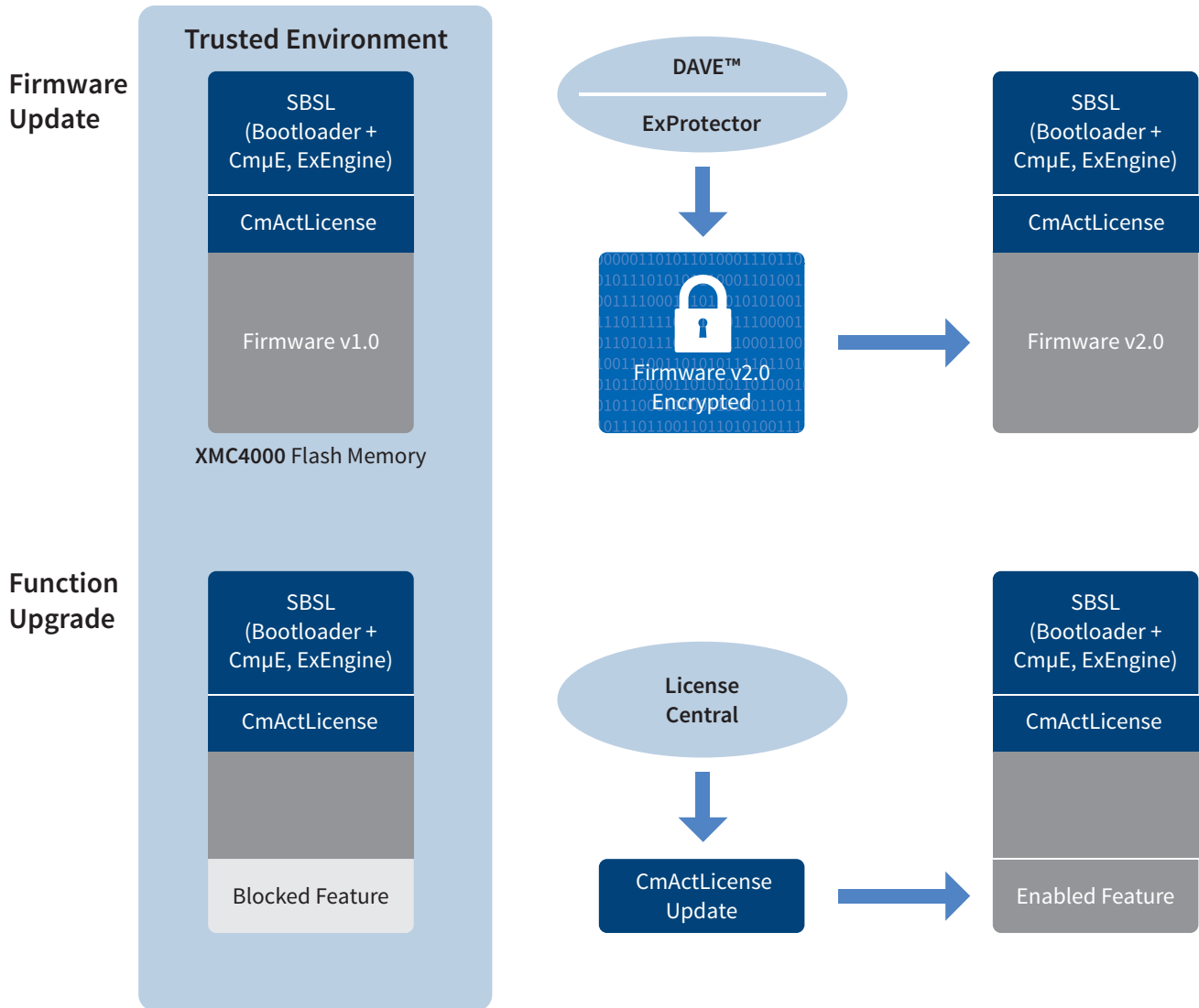
CodeMeter μ Embedded

Embedded Security Technology

Generation and programming of firmware, SBSL and CmActLicense in customers trusted environment with DAVE™

Generation of encrypted firmware file or CmActLicense

Update or upgrade of firmware in the field. Files are loaded and decrypted by the SBSL.



Published by
Infineon Technologies AG
85579 Neubiberg, Germany

© 2015 Infineon Technologies AG.
All Rights Reserved.

Visit us:
www.infineon.com

Order Number: B158-I0093-V1-7600-EU-EC-P
Date: 02 / 2015

Attention please!

The information given in this document shall in no event be regarded as a guarantee of conditions or characteristics ("Beschaffenheitsgarantie"). With respect to any examples or hints given herein, any typical values stated herein and/or any information regarding the application of the device, Infineon Technologies hereby disclaims any and all warranties and liabilities of any kind, including without limitation warranties of non-infringement of intellectual property rights of any third party.

Information

For further information on technology, delivery terms and conditions and prices please contact your nearest Infineon Technologies Office (www.infineon.com).

Warnings

Due to technical requirements components may contain dangerous substances. For information on the types in question please contact your nearest Infineon Technologies Office. Infineon Technologies Components may only be used in life-support devices or systems with the express written approval of Infineon Technologies, if a failure of such components can reasonably be expected to cause the failure of that life-support device or system, or to affect the safety or effectiveness of that device or system. Life support devices or systems are intended to be implanted in the human body, or to support and/or maintain and sustain and/or protect human life. If they fail, it is reasonable to assume that the health of the user or other persons may be endangered.