



Security Embedded

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Product Brief

µCodeMeter

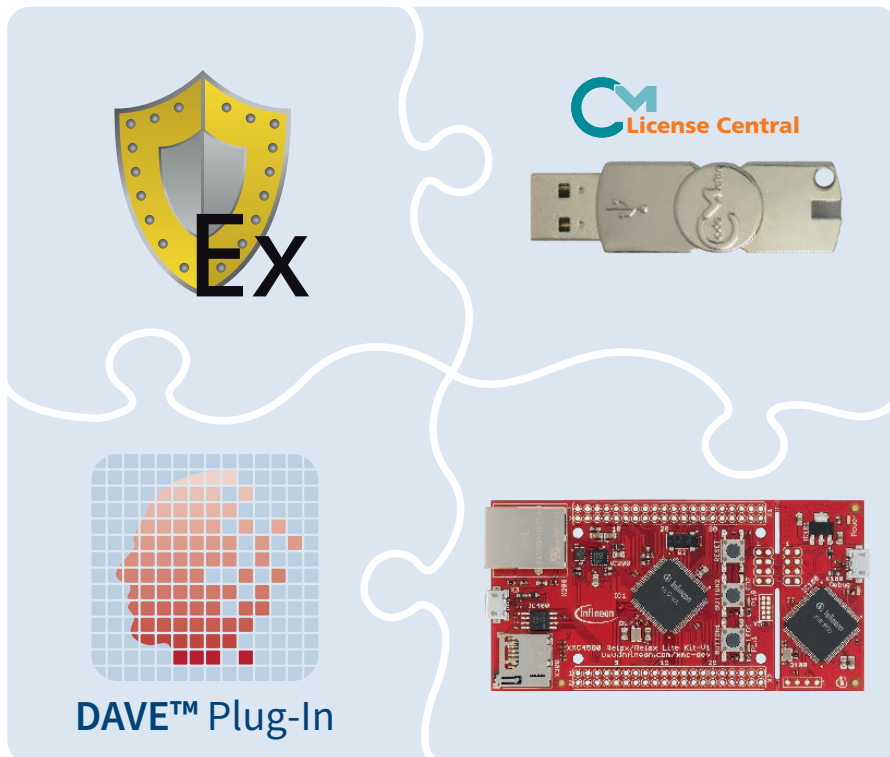
Security Embedded in XMC4000



µCodeMeter 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

- µExProtector 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

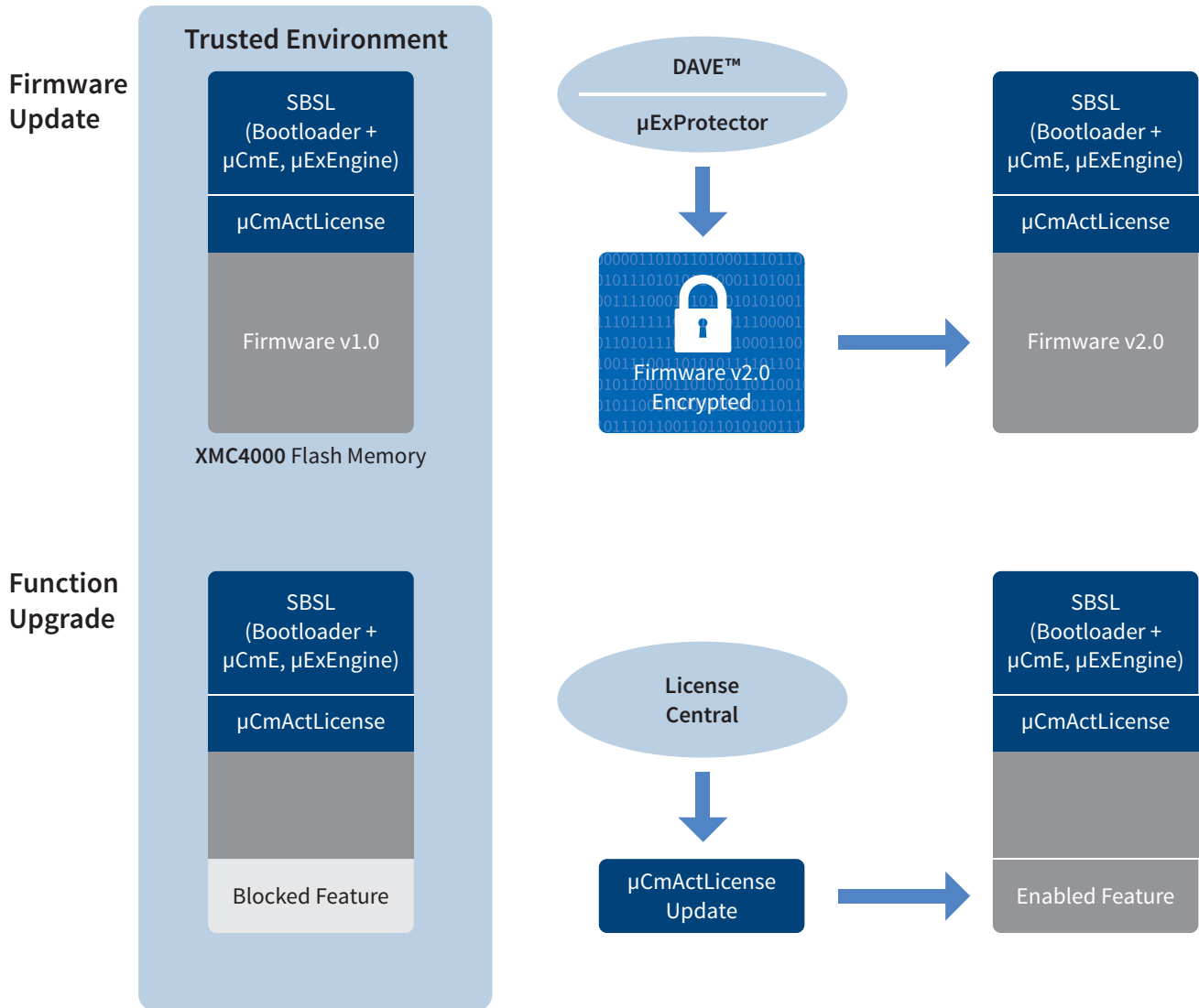
µCodeMeter

Embedded Security Technology

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

Generation of encrypted firmware file or µCmActLicense

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



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