

EMBEDDED · SECURE UPDATE SUITE

Encrypt

The automotive cyber-security stack.

Encrypt makes sure software gets into the vehicle safely and stays trustworthy. It abstracts the cryptographic and key-storage layer behind the AUTOSAR Crypto Service Manager API, so the same secure-boot and SecurityAccess behaviour carries across hardware.

CAPABILITIES

Trust

- The HSM as hardware root of trust
- Secure boot: only trusted software runs
- Authenticity and completeness of every software package

Integration

- Cryptography and key storage behind the AUTOSAR Crypto Service Manager API
- SecurityAccess (UDS / ISO 14229)
- UN R156-shaped update paths, together with the Bootloader

TECHNICAL

ROOT OF TRUST	Hardware Security Module (HSM)
INTERFACE	AUTOSAR Crypto Service Manager API
WORKS WITH	Autotech Bootloader · Diag Com Stack

LICENSING

A licence, on its own or added to an existing Bootloader engagement. Licences are perpetual or term-based, agreed per programme. Source-code escrow is available. Support and further development run under a maintenance agreement.

HSM

AS THE HARDWARE ROOT OF TRUST FOR EVERY SOFTWARE PACKAGE

PROVEN IN

Volvo Cars · Secure software update

Shipped with the Bootloader and Diag Com Stack in the delivery that took two suppliers' ECUs through Volvo Cars' secure software-update requirements.

diadrom.com/cases/secure-software-update

WATCH THE PROOF

Case film, secure software update · 0:52

diadrom.com/cases/secure-software-update

NEXT STEP

Ask about this product, or discuss your programme.

diadrom.com/products/#encrypt
diadrom.com/contact