

## Hardware Security Module (HSM) of the AURIX™ Platform - Face-to-Face Training

### Objectives

You know the architecture, on-chip peripherals and features (especially related to the host aspects) of the HSM module of the AURIX™ device family.

You get to write and apply low-level drivers for this hardware, interact with the host, adapt examples as required and test them with a debugger.

Numerous demos and exercises intensify the theoretic content.

### YOUR BENEFIT:

Efficient and compact jump-start into the overall topic

System-wide approach

Training documentation in electronic format

### Participants

Hardware and software architects, hardware and software developers, test engineers, design engineers, system designers

### Requirements

HSM NDA (non-disclosure agreement) with Infineon; experience in microcontroller/microprocessor system programming and architecture; basic security knowledge; AURIX system knowledge (ideally, based on our AURIX-2G training)

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### Content

#### Introduction

#### Inside Hardware Security Module

#### CPU Subsystem Overview

#### System Aspects (Configuration, Boot, Reset, Debug)

#### Bridge

#### Timer Module and Watchdog

#### True Random Number Generator

#### Hash Module

#### Advanced Encryption Standard - 128 bit (AES-128)

#### Public Key Cryptography (PKC) Module

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#### IMPORTANT NOTE:

A valid HSM NDA (non-disclosure agreement) with Infineon is a pre-requirement to attend the course.

**FACE-TO-FACE TRAINING**

<b>Date</b>	<b>Price *</b>	<b>Duration</b>
18.06.2026 – 19.06.2026	1.500,00 €	2 days

\* Price per attendee, in Euro plus VAT

Training code: E-HSM

**Live Online - English****Duration**

2 days

**Face-To-Face - German**

<b>Date</b>	<b>Duration</b>
18.06. – 19.06.2026	2 days

**Live Online - German****Duration**

2 days

**Coaching**

Our coaching services offer a major advantage: our specialists introduce their expertise and experience directly in your solution process, thus contributing to the success of your projects.

We will be happy to provide you with further information or submit a quotation tailored to your requirements.