

Renesas Synergy™ Training: Application Programming - Face-to-Face Training

Today, companies large and small race to capitalize on the rapidly growing IoT and embedded system markets. Design engineers face many challenges—acquiring and mastering new technologies, developing code for low-level system infrastructure, performing integration and test, meeting aggressive schedules - all while facing intense cost and resource pressures. A solid embedded software platform is the answer to these challenges by freeing resources to develop differentiated products instead of creating and maintaining the fundamental, yet essential system structure underneath. Renesas Synergy™ is a platform that is truly complete, fully tested and qualified, and systematically maintained and supported so you can start your application software development immediately at the API level without worry.

Objectives

You have an overview of the Renesas Synergy™ platform and the main application programming interfaces of the Renesas Synergy™ Software Package. You get the perfect entry into practical application and can implement your own applications based on the Renesas Synergy™ platform.

Participants

Embedded software developers, software architects, technical support and application engineers

Requirements

Experience with programming in ANSI-C/ embedded C; basic knowledge of microcontroller architectures and their peripherals, basic knowledge of the Arm Cortex®-Mx architecture and preferably also of real-time operating systems.

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Content

Introduction to Renesas Synergy™, e2Studio development environment and Synergy™ Software Package (SSP)

Working with the framework layer and its application programming interface (API)

Introduction to Thread-X, the high-performance real-time operating system embedded in the SSP, and its components USBX, NETX and FILEX

The hardware abstraction layer of the SSP and its application

Board support package (BSP) and its role in the migration to proprietary designs

Tools GUIX, TraceX

BONUS: Participants get a free Renesas Synergy™ SK-S7G2 Starter Kit with color QVGA touchscreen, Ethernet, USB, CAN, RS485 and a high-performance S7G2 240MHz Cortex-M4 processor. Numerous hands-on examples will be handed out on a memory stick for later review, repetition or extension.

PLEASE NOTE:

- If you have a discount voucher, please make sure you indicate the individual discount code when submitting your binding booking (on the online booking form in section "Invoice address", line "Your order number"; or include it in your official PO document). Discount codes submitted after booking cannot be accepted.

FACE-TO-FACE TRAINING

Price ***Duration**

- 3 days

Training code: E-SYNERGY

* Price per attendee, in Euro plus VAT

Face-To-Face - German**Duration**

3 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.