

Model-Based Development Environment Embedded Target

<https://www.renesas.com/embedded-target>

Implementation from model to Renesas MCU is automated to streamline software development

Embedded Target (evaluation version) verifies algorithms to aid customers' model-based development by linking a Renesas integrated development environment (CS+ or e² studio) with MATLAB® or Simulink® from MathWorks.

Software development can be streamlined by automatically porting code for an embedded MCU and ensuring the state in which build and debug is performed in order to perform Processor-In-the-Loop simulation. The advanced analysis function of the Renesas integrated development environment is also useful for improving a model.

Seamless development, from building an environment to verifying a model's performance

Automatically building a PILS* environment
*Processor In the Loop Simulation

Generate models for PILS from Simulink® models with one click.

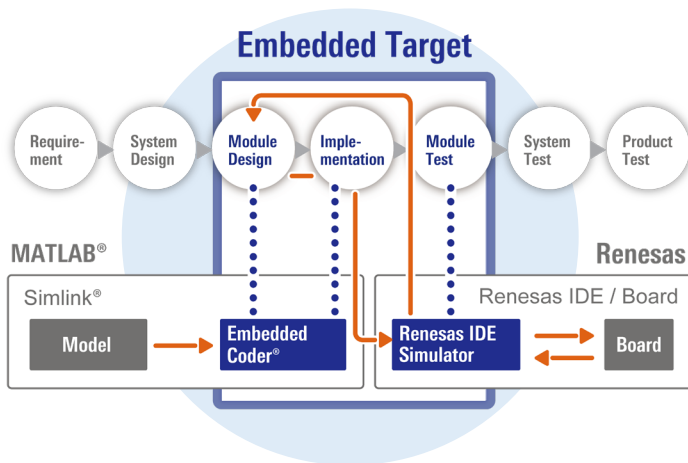
A channel for communication between MATLAB® and the Renesas integrated development environment is built automatically.

Automatically generating a project for the Renesas integrated development environment

Embedded Coder® incorporates code generated from a verification model and automatically generates buildable/debuggable projects for CS+/e² studio.

Verifying a model's performance using a Renesas MCU or simulator

The actual equipment debugger or simulator function of CS+ or e² studio can be used for PIL simulation, and the analysis functions of CS+ or e² studio (including the execution time measurement function) can be used for model performance verification.



Supported MCUs

RA Family RL78 Family RX Family

Operating environment

Windows® 11 Windows® 10 (64-bit version)

[Details](#) www.renesas.com/system-requirements

Detailed information
Commercial version / Evaluation version
www.renesas.com/embedded-target

MATLAB®, Simulink®, and Embedded Coder® are registered trademarks of MathWorks, Inc.

Video

Tutorial videos for microcontrollers are available:

- For RA Family www.renesas.com/ra-how-to-video
- For RL78 Family www.renesas.com/rl78-how-to-video
- For RX Family www.renesas.com/rx-how-to-video

FAQ en-support.renesas.com/knowledgeBase

Community community.renesas.com

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Contact information

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