

RZ/V2H Evaluation Board Kit

This document provides quick-start instructions for how to bring up an RZ/V2H Evaluation Board Kit (EVK), and how to boot Linux by using RZ/V2H AI Software Development Kit (AI SDK).

Important: To ensure the EVK is set up correctly, complete the steps in the order listed in “Quick Start Procedure”.



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1. EVK Information

1.1 How to Get the EVK

To obtain the RZ/V2H-EVK, go to the RZ/V2H-EVK [RTK0EF0168C04000BJ](#) product page and click on Buy/Quote under [Product Options](#).

1.2 EVK Contents

The RZ/V2H-EVK is the most suitable board kit for RZ/V2H evaluation. RZ/V2H-EVK consists of the RZ/V2H Evaluation Board (CPU board) and the RZ/V2H EVK Expansion Board (EXP board).

- RZ/V2H Evaluation Board (CPU board)
- RZ/V2H EVK Expansion Board (EXP board)
- Flexible flat cable (FFC)
- Heat-sink with fan
- USB cable (USB Type-A - Micro USB Type-B)
- Rubber feet

The following items must be purchased separately by customers:

- AC adapter that supports 100W USB Power Delivery (USB PD)
- A USB Type-C cable (The EVK is powered via the USB Type-C connector.)
- microSD card UHSI-Class10 (16GB or more)

For other required environments, refer to the procedures introduced in the **2.Quick Start Procedure**.

2. Quick Start Procedure

There are two procedures to get started with RZ/V2H-EVK.

Procedure	Description
Getting Started (Recommended)	This procedure describes the steps from setting up the AI SDK to running an application on the EVK. https://renesas-rz.github.io/rzv_ai_sdk/latest/getting_started.html * If you are not comfortable with using Linux command-line operations, a GUI-based integrated development environment is also available. https://renesas-rz.github.io/rzv_ai_sdk/latest/ainavi_quick_start_guide.html
Demo	This procedure describes the steps for running a demo on the EVK using an SD card image, without setting up the AI SDK. https://renesas-rz.github.io/rzv_ai_sdk/latest/#demo

For more information about RZ/V AI, please visit https://renesas-rz.github.io/rzv_ai_sdk/latest/.

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Sep 30, 2026	-	First edition issued.