

[New Release]

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Rev.1.00

Apr. 01, 2023

Renesas Starter Kit+ for RZ/T2L

Simultaneously Implementing Real-time Control and EtherCAT Communication

Outline

Renesas Starter Kit+ for RZ/T2L has been released. This kit supports the RZ Family RZ/T2L group.

1. Product Overview

Renesas Starter Kit+ for RZ/T2L features a Cortex®-R52 processor (800 MHz max.) and RZ/T2L that is equipped with extensive peripheral functions such as a $\Delta\Sigma$ interface, A/D converter, PWM timer, xSPI, and EtherCAT slave controller. This product is the ideal starter kit for simultaneously evaluating real-time control and processing of EtherCAT communication.

The kit includes the following hardware that is necessary for development.

➤ Hardware

- CPU board with RZ/T2L group device (single CPU, internal RAM 1 MB, 196-pin) and on-board emulator
- Power supply USB cable (Type C - Type C)
- USB cable for on-board emulator (Type A - Type Micro B)
- USB cable for PC terminal debugging (Type A - Type Mini B)

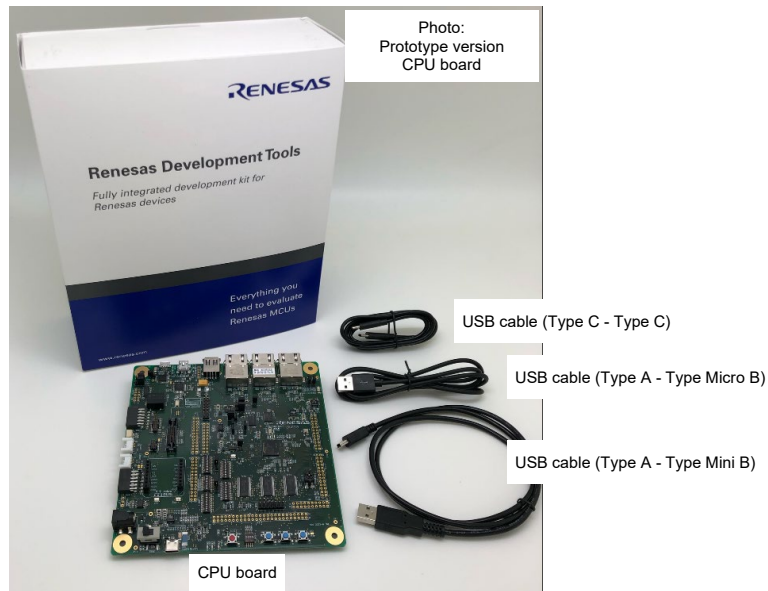


Figure 1: Renesas Starter Kit+ for RZ/T2L

➤ Software

Development environments, sample code, and the application note are available at the web page below.

- Renesas Starter Kit+ for RZ/T2L product page

<https://www.renesas.com/rskrzt2l>

2. Product Features

[Main features]

- RZ/T2L with 800 MHz Cortex®-R52 processor. The product is ideally suited to application development that requires high responsiveness.
- The on-board emulator allows for debugging simply by connecting to a PC and turning on the power.
- Two ports for EtherCAT and one port for a standard Gigabit Ethernet for evaluation.
- Octa Flash and HyperRAM enable evaluation by using high-speed Flash Memory or RAM.
- Pin headers connected to RZ/T2L signals provide highly flexible evaluation.
- General-purpose extended interfaces such as PMOD™, GROVE®, QWIC®, and MikroBUS™ can be used.

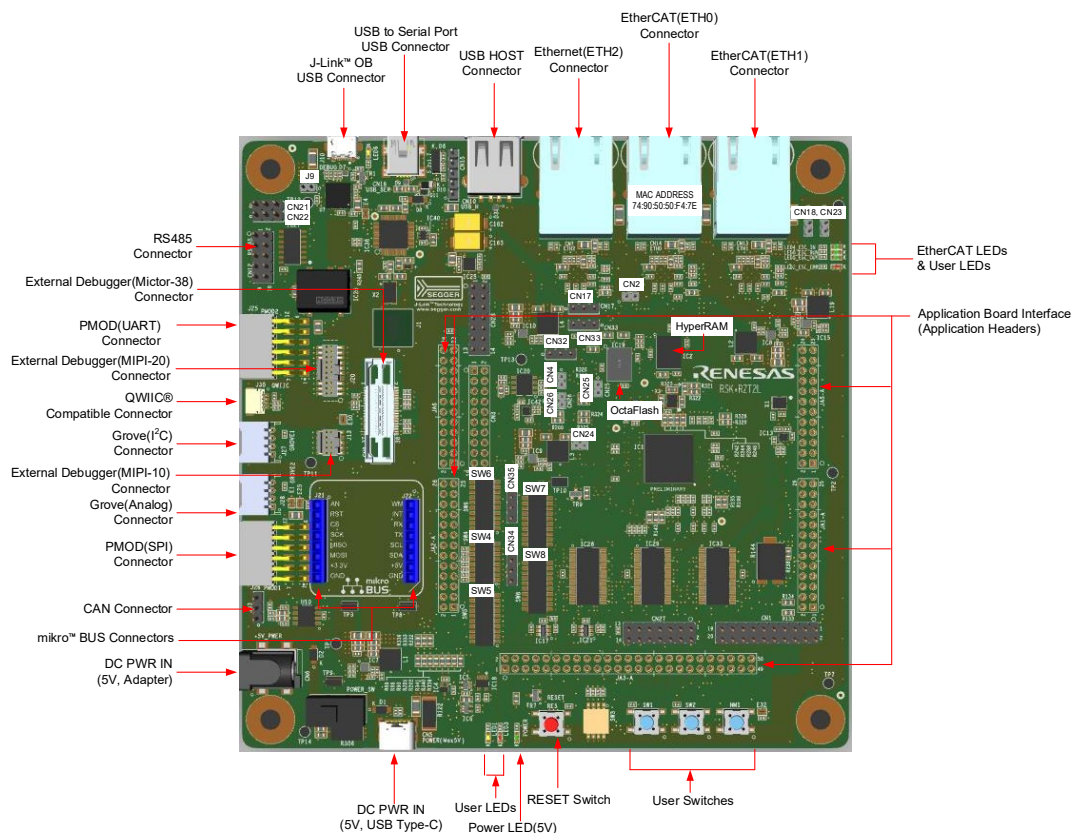


Figure 2: CPU board (component side)

3. Purchasing the Product

Contact your local Renesas Electronics sales office or distributor and inform them of the following product information.

For the price of the product, contact the sales office or distributor.

Product name	Part number
Renesas Starter Kit+ for RZ/T2L	RTK9RZT2L0S00000BJ

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Apr.01.23	-	First edition issued

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