

[New Release]

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Rev.1.00

Sep. 01, 2022

Renesas Starter Kit+ for RZ/N2L

Easily Implementing Industrial Ethernet Communication and TSN

Outline

Renesas Starter Kit+ for RZ/N2L has been released. It supports the RZ Family RZ/N2L group.

1. Product Overview

The Renesas Starter Kit+ for RZ/N2L features a Cortex®-R52 processor (400 MHz max.) and extensive peripheral functions suitable for industrial applications, making it the ideal starter kit for comprehensive evaluation of RZ/N2L by using communication processing such as the Industrial Ethernet and TSN (Time Sensitive Networking) and an extended interface such as PMOD™.

The kit includes the following hardware necessary for development.

- Hardware
 - CPU board with RZ/N2L group device (dual CPU, internal RAM 1.5 MB, pin count 225-pin) and on-board emulator
 - Power supply USB cable (Type C – Type C)
 - On-board emulator connection USB cable (Type A – Type Micro B)
 - PC terminal debugging USB cable (Type A – Type Mini B)

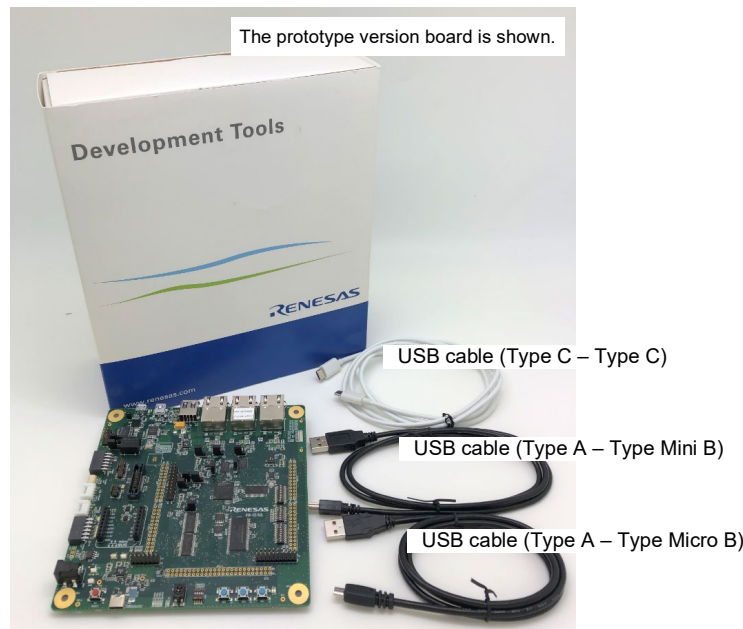


Figure 1 Renesas Starter Kit+ for RZ/N2L

- Software

The development environment, sample code, and application note are available on the website. Visit the URL below.

- Renesas Starter Kit+ for RZ/N2L product web page

<https://www.renesas.com/rskrzn2l>

2. Product Features

- The RZ/N2L with 400 MHz Cortex®-R52 processor is installed. The product is ideally suited to application development requiring high-precision communication such as the Industrial Ethernet and TSN.
- The on-board emulator of the product allows for debugging simply by connecting to a PC and turning on the power.
- The product's three ports offering Gigabit Ethernet PHY enable various types of Industrial Ethernet evaluation.
- The product's Octal SPI Flash and HyperRAM enable evaluation by using fast Flash Memory or RAM.
- Pin headers directly connected to the RZ/N2L provide highly flexible evaluation.
- General-purpose extended interfaces such as PMOD™, GROVE®, QWIIC®, and MikroBUS™ can be used.

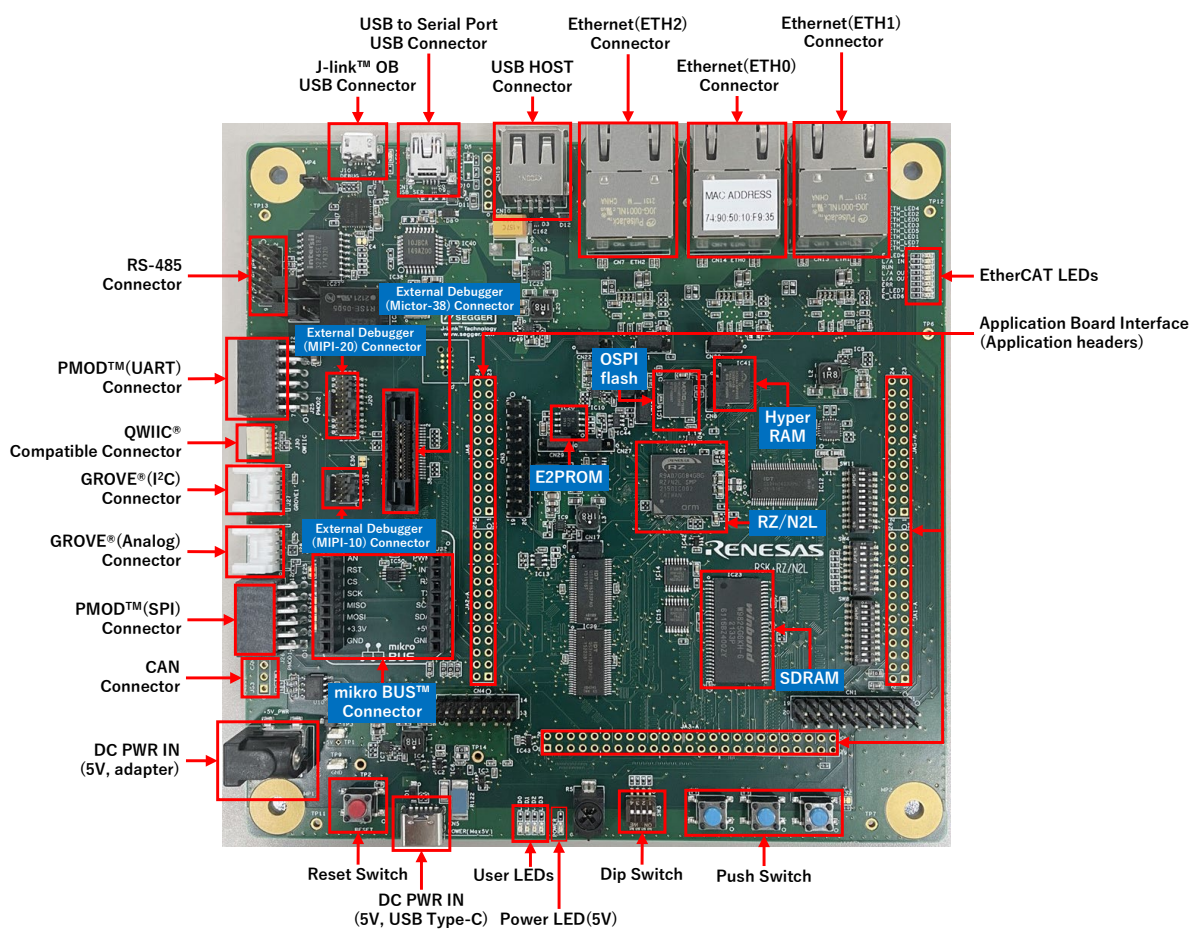


Figure 2 CPU board (component side)

3. Purchasing the Product

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

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

Product part number (orderable part name)	Status
RTK9RZN2L0S00000BE	Mass production

Revision History

Rev.	Date	Description	
		Page	Summary
1.00	Sep.01.22	-	First edition issued

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