

[Notification]

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## E2 Emulator Lite, an On-Chip Debugging Emulator for CS+ Integrated Development Environment

### Outline

Since its initial release, sales of our on-chip debugging emulator, E2 emulator Lite (E2 Lite) have increased (primarily through new customers) thanks to its competitive price and stylish translucent design.

Supporting the CS+ integrated development environment since January 2017, E2 Lite can now be even more readily utilized in a variety of development scenarios.

This news reintroduces E2 Lite and we wish you to consider introducing E2 Lite in the development environment where CS+ is used.

### 1. Supported CS+ Integrated Development Environment

E2 Lite has until recently supported only the e<sup>2</sup> studio integrated development environment based on Eclipse. However, as of January 2017, E2 Lite now supports the CS+ integrated development environment used by many of our customers in Asia.

E2 Lite now supports the following integrated development environments.

- Renesas Electronics products:
  - CS+ V5.00.00 and later
  - e<sup>2</sup> studio V4.0.1 and later
- IAR Systems products:
  - IAR Embedded Workbench for RX
  - IAR Embedded Workbench for RL78

For details about integrated development environments adaptable to E2 Lite, see the following URL:  
<https://www.renesas.com/e2lite>

### 2. Overview

E2 Lite is an on-chip debugging emulator and flash programmer for MCUs of the RX and RL78 families.

This product is **more competitively priced than ever before**, and **includes the debugging function (equivalent to the E1 emulator)**, making it useful in areas such as those for the hobbyist, educational purposes, or in fully-fledged developmental applications.

E2 Lite has the compatibility interface as the E1 emulator so that **can be readily connected to boards designed for the E1 emulator** <sup>(Note)</sup>. Note also that optional products can continue to be used.

Note: E2 Lite supports user system power supply voltages in the range 1.8 V to 5.0 V.

The emulator supports an output voltage (to the user system) of 3.3 V. 5.0 V is not supported.



Figure 1 E2 Emulator Lite Main Body

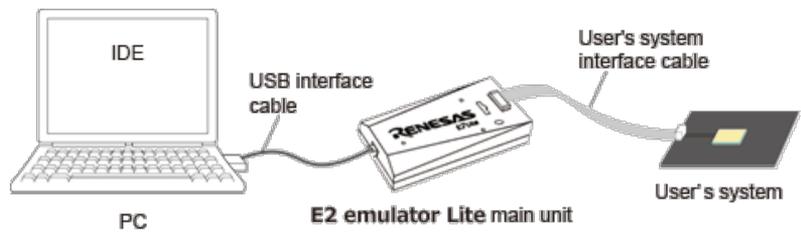


Figure 2 System Configuration Diagram

For details of E2 Lite, see the following URL.  
<https://www.renesas.com/e2lite>

### 3. Comparison between E2 Emulator Lite and E1 Emulator

Want a cheaper emulator for hobby.	}	 We recommend the E2 emulator Lite.
Want to introduce many emulators for education in universities or in-house training.		
Want to newly use Renesas MCUs.		
Need to additionally purchase an emulator.		
Want to use MCUs other than RX and RL78.	}	 We recommend the E1 emulator.
Want to debug a large-scale MCU whose capacity is more than 1 MB.		

Figure 3 Comparison between E2 Emulator Lite and E1 Emulator

For details about comparison between E2 Lite and the E1 emulator, see the following URL.  
<https://www.renesas.com/e2lite#designSupport>

#### 4. Contents of the Product Package

The E2 Lite product package consists of the following:

- The E2 emulator Lite main body
- A USB interface cable
- A user-interface cable



Figure 4 E2 Emulator Lite Product Package

#### 5. Purchasing the Product

For product ordering, contact your local Renesas Electronics marketing office or distributor with the following information. For product pricing, make inquiries in the same manner.

Product part number	Orderable part name	
RTE0T0002LKCE00000R	As at left	

Note that the product can also be purchased from the Web page at the URL below.

<https://www.renesas.com/e2lite#ordering>

**Revision History**

Rev.	Date	Description	
		Page	Summary
1.00	Apr. 16, 2017	-	First edition issued

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■Inquiry

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

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