RENESAS Tool News

Release of the E2 emulator Lite, a new on-chip debugging emulator

We have released the E2 emulator Lite, a new on-chip debugging emulator.

Refer to the information at the following URL for details of this product.

https://www.renesas.com/e2lite

1. Outline

The E2 emulator Lite (abbreviated name: E2 Lite) is a new on-chip debugging emulator and flash programmer for MCUs of the RX (see note 1) and RL78 families (see note 2).

The E2 emulator Lite is more economical than the E1 emulator. Since the target interface is compatible with that for the E1 emulator, it is connectable to boards designed for the E1 emulator (see note 3 for the slight differences). Optional parts for the E1 emulator, such as isolators, are also usable with the E2 emulator Lite. IDEs and compilers which are usable with the E2 emulator Lite are not restricted to Renesas products but include products from partner companies. The E2 emulator Lite is suitable for the whole range from professional development to hobbyist projects and education.

We will continue to sell and support the E1 emulator after the E2 emulator Lite goes on sale.

Note 1: Support for debugging programs for RX products is available.
Support for RX flash programming is currently being prepared.
Note 2: Support for debugging programs for and programming the flash memory of RL78 products is currently being prepared.
Note 3: The applicable voltage range of the target systems is from 1.8

to 5.0V.
The power supply output voltage from the emulator to target
systems is 3.3 V, not 5.0 V.

The supported IDEs are as follows.
   - From Renesas Electronics:
      e2 studio, V4.0.1 and later versions
   - From IAR Systems:
      IAR Embedded Workbench for RX (now being prepared)
      IAR Embedded Workbench for RL (now being prepared)

The following compilers are usable in combination with the E2 emulator
Lite.
   - Compilers from Renesas Electronics:
      RX Family C/C++ Compiler Package (without IDE) (CC-RX)
      RL78 Family C Compiler Package (without IDE) (CC-RL)
   - Compilers from IAR Systems:
      IAR Embedded Workbench for RX
      IAR Embedded Workbench for RL78
   - Compilers from KPIT Technologies Ltd.
      GNURX
      GNURL78

Note: Regarding the tools from our partners, please refer to the following
   URLs.
    IAR Systems:
     http://www.iar.com/
    KPIT Technologies Ltd.:
     http://www.kpitgnutools.com/

2. Contents of the Product Package
   - The E2 emulator Lite
   - A USB interface cable
   - A user-interface cable

3. Ordering Information
   Product type: E2 emulator Lite
   Ordering code: RTE0T0002LKCE00000R