

[Released on the Web]

R20TS0984EJ0100

Rev.1.00

RX Family RX Driver Package Ver.1.42

Feb. 01, 2024

## Outline

The RX Family RX Driver Package Ver.1.42 is released on the web.

This product has been updated from the RX family RX Driver Package Ver.1.41. The update includes addition of updated modules within the package.

This product is available free of charge.

## 1. Product Features

What is an RX Driver Package?

The RX Driver Package is a software package for using basic functions such as initializing MCUs, self-programming of flash memory, timer control, UART communications, and A/D conversion, and application functions such as USB and Ethernet.

For details, refer to the following URL:

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

## 2. Major Changes from RX Family RX Driver Package Ver.1.41 to Ver.1.42

### (1) Update of FIT modules

The FIT modules have been updated. For the differences between RX Driver Package Ver.1.41 and Ver.1.42, refer to the following application note:

<https://www.renesas.com/document/apn/rx-family-rx-driver-package-ver142>

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### 3. FIT modules

## 3. Supported Devices

RX110, RX111, RX113, RX130, RX13T, and RX140 groups

RX230, RX231, RX23E-A, RX23E-B, RX23T, RX23W, RX24T, RX24U and RX26T groups

RX64M, RX651, RX65N, RX660, RX66N, RX66T, and RX671 groups

RX71M, RX72M, RX72N, and RX72T groups

Note: The FIT modules for the following devices are no longer being updated.

RX210, RX21A, and RX220 groups

RX610, RX621, RX62N, RX62T, RX62G, RX630, RX631, RX63N, and RX63T groups

For details, see the Tool News below:

<https://www.renesas.com/document/tnn/notification-renesas-rx-family-firmware-integration-technology-fit-addition-supported-compilers-and>

Document number: R20TS0437EJ0100

[Notification]

Renesas RX Family Firmware Integration Technology (FIT)

- Addition of Supported Compilers and End of FIT Module Updates for Some Devices -

#### 4. Operating Environment

The operating environment is as follows.

Table 1 Operating Environment

|            |                                                                                                                                                                  |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IDE        | <ul style="list-style-type: none"> <li>•e<sup>2</sup> studio</li> <li>•CS+</li> <li>•IAR Embedded Workbench for Renesas RX</li> </ul>                            |
| Cross tool | <ul style="list-style-type: none"> <li>•C/C++ Compiler Package for RX Family</li> <li>•IAR C/C++ Compiler for Renesas RX</li> <li>•GCC for Renesas RX</li> </ul> |

For details, refer to the application note.

<https://www.renesas.com/document/apn/rx-family-rx-driver-package-ver142>

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#### 5. Using the Product

The RX Driver Package can help you create an application program easily by using it in combination with "Smart Configurator" <sup>(Note)</sup>.

For details about how to use the product, refer to the applicable documents listed in Table 2.

Note: Supported in e<sup>2</sup> studio, CS+, and IAREW.

Table 2. Product Usage Documents

| Tool                                        | Document                                                                                    |
|---------------------------------------------|---------------------------------------------------------------------------------------------|
| e <sup>2</sup> studio<br>Smart Configurator | RX Smart Configurator User's Guide: e <sup>2</sup> studio<br>(R20AN0451 <sup>(Note)</sup> ) |
| CS+<br>Smart Configurator                   | RX Smart Configurator User's Guide: CS+<br>(R20AN0470 <sup>(Note)</sup> )                   |
| IAREW<br>Smart Configurator                 | RX Smart Configurator User's Guide: IAREW<br>(R20AN0535 <sup>(Note)</sup> )                 |

\*Only the first 9 digits are listed.

### 6. Appendix

#### 6.1 RX Driver Package Web Page

You can access the RX Driver Package product page on our website at:

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

Revision History

| Rev. | Date      | Description |                      |
|------|-----------|-------------|----------------------|
|      |           | Page        | Summary              |
| 1.00 | Feb.01.24 | -           | First edition issued |
|      |           |             |                      |

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