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A Note on Using Real-Time OSes for V850 MCUs --RI850V4 and RX850V4

When using the real-time OSes for the V850 MCUs, RI850V4 and RX850V4, take note of the following problem:

- With using interrupt handlers in V850E2M-cored devices
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1. Products Concerned

- (1) RI850V4 V1.00.00
- (2) RX850V4 V4.42 Package (V4.30 kernel) and earlier

2. Description

When V850E2M-cored devices are used, the following two problems arise:

- (1) If 128 or more interrupt handlers are defined in a V850E2M-cored device, the 128th and higher interrupt handlers in the ascending order of exception codes cannot start properly.
- (2) The interrupt handler with exception code 0x1070 cannot be registered by using the configurator.

3. Schedule of Fixing the Problem

3.1 In RI850V4 V1.00.00

We plan to fix this problem in the next release of the product.
(No circumvention is not found in this problem.)

3.2 In RX850V4

We plan to fix this problem in the next release of V4.43 Package (V4.31 kernel).
(No circumvention is not found in this problem.)

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