



**Renesas Design Korea Inc.**

Business Registration Number: 314-81-23070 ([www.renesas.com](http://www.renesas.com))

(13486) B-7 FL, Silicon Park, 35, Pangyo-ro 255beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, Republic of Korea

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Dear Sir,

We Renesas Design Korea Inc. declare that the Wi-Fi silicon marketed under the family name “**RA6W1**” and with 70pin WLCSP package consists of three family members: **RA6W1A**, **RA6W1B**, **RA6W1C**.



*Figure 1. IC marking on the RA6W1 family members*

We confirm the following facts regarding these variants

- 1. Single Physical IC:** All three variants use the *same physical integrated circuit (IC)* identified by part numbers:
  - RA6W1C: R7SA6W1CEDZDD#HA0
  - RA6W1B: R7SA6W1BEDZDD#HA0
  - RA6W1A: R7SA6W1AEDZDD#HA0There are no hardware differences between the variants; they are produced from the same mask set/lot types and have identical silicon, packaging, radio and electrical characteristics.
- 2. Software-configured Feature Differences:** The differences between **RA6W1A**, **RA6W1B**, and **RA6W1C** are implemented exclusively in software/firmware. Feature limitations such as permitted frequency bands, enabled Wi-Fi version (e.g., 802.11n/ac/ax) are controlled by firmware configuration (or accompanying host software) and not by any change to the physical IC.

Please see Table 1 for more information.

Table 1: RA6W1 Product Family

| IC marking                         | Group (Family) Name | Product Number     | Package     | Wi-Fi Frequency | Wi-Fi Version | Description                                                                              |
|------------------------------------|---------------------|--------------------|-------------|-----------------|---------------|------------------------------------------------------------------------------------------|
| RA6W1-X*<br><br>*Where X=A, B or C | RA6W1C              | R7SA6W1CEDZDD #HA0 | 70pin WLCSP | 2.4/5 GHz       | Wi-Fi 6       | Arm® Cortex®-M33 system on chip (SoC), Wi-Fi6 2.4/5GHz 802.11 a/b/g/n/ac/ax, 70pin WLCSP |
|                                    | RA6W1B              | R7SA6W1BEDZDD #HA0 | 70pin WLCSP | 2.4 GHz         | Wi-Fi 6       | Arm® Cortex®-M33 system on chip (SoC), Wi-Fi6 2.4GHz 802.11 b/g/n/ax, 70pin WLCSP        |
|                                    | RA6W1A              | R7SA6W1AEDZDD #HA0 | 70pin WLCSP | 2.4 GHz         | Wi-Fi 4       | Arm® Cortex®-M33 system on chip (SoC), Wi-Fi4 2.4GHz 802.11 b/g/n, 70pin WLCSP           |

Sincerely,

Name: Kui Nam Kim

Title: Vice President

Signature: 

Date: December 22, 2025

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