

Product change note

Topic RCB-F9T-0 FW and HW update
UBX-22003600 C1-Public

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1 Affected products

Product name	Ordering code	Type number (old)	Firmware (old)	Type number (new)	Firmware (new)
RCB-F9T	RCB-F9T-0	RCB-F9T-0-01	FW1.00 TIM2.01	RCB-F9T-0-02	FW1.00 TIM2.20

2 Type

- | | |
|---|--|
| <input type="checkbox"/> Product status change | <input checked="" type="checkbox"/> Documentation update |
| <input checked="" type="checkbox"/> Hardware/component change | <input type="checkbox"/> Certification information |
| <input checked="" type="checkbox"/> Firmware/software update | <input type="checkbox"/> Security advisory |
| <input type="checkbox"/> Label change | <input type="checkbox"/> Other |

3 Description

Starting from the date indicated below, a new firmware release FW1.00 TIM2.20 will be applied to the affected RCB-F9T-0 products in production. FW1.00 TIM2.20 includes many improvements and new features, including new security features and messages and support for Beidou B1C signal. For a detailed description of the new features and functionality, see the documents listed in the Related documentation section.

At the same time, a minor hardware change has been introduced. The ESD protection diode on the VCC_ANT line has reached end of life and has been replaced with a similar component.

Updated product documentation listed in the Related documentation section is available on the u-blox website.

4 Schedule

Product type number (new)	Sample availability date	Estimated first shipment date ¹
RCB-F9T-0-02	16 June 2022	30 September 2022

¹ The estimated first shipment date is the forecasted date when a customer may expect to receive the changed product with the new type number. This is determined by the estimated date of inventory depletion on the PCN issue date. This may be affected by fluctuations in supply and demand. Consequently, although customers should be prepared to receive the changed product on this date, u-blox will continue to ship the pre-changed product until the inventory has been depleted. This may result in the pre-changed product being shipped to customers after this forecasted date.

5 Customer impact and recommended action

The new products are electrically and mechanically identical with the old products.

The new product firmware is expected to perform in a very similar way to the existing product in timing applications using the default configuration. However, u-blox recommends that the customer confirms compatible behavior in their application as soon as samples become available.

Customers are also advised to study the updated product documentation.

6 Related documentation

- [1] u-blox RCB-F9T-0 Data sheet, [UBX-18053607](#)
- [2] u-blox RCB-F9T Integration manual, [UBX-22004121](#)
- [3] u-blox F9 TIM2.20 Interface description, [UBX-21048598](#)
- [4] u-blox F9 TIM2.20 Release note, UBX-21050656 – under NDA