

Product change note

Topic **LEA-M8T-1 FW update**
UBX-23001089 C1-Public
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1 Affected products

Product name	Ordering code	Type number (old)	Firmware (old)	Type number (new)	Firmware (new)
LEA-M8T	LEA-M8T-1	LEA-M8T-1-00	FW 3.01 TIM 1.11	LEA-M8T-1-01	FW 3.01 TIM 1.12

2 Type

- | | |
|--|--|
| <input type="checkbox"/> Product status change | <input checked="" type="checkbox"/> Documentation update |
| <input 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 FW 3.01 TIM 1.12 will be applied to the affected LEA-M8T-1 products in production. Updated product documentation listed in Section 6 is available on the u-blox website.

Compared to the previous firmware FW 3.01 TIM 1.11, new firmware FW 3.01 TIM 1.12 fixes a rare issue where the 1PPS time pulse may jump by 500 ns in extremely cold temperatures below -30 °C.

4 Schedule

Product type number (new)	Sample availability date	Estimated first shipment date ¹
LEA-M8T-1-01	23 March 2023	30 June 2023

5 Customer impact and recommended action

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 behaviour in their application as soon as samples become available.

Customers are also advised to study the updated documentation.

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.

6 Related documentation

- [1] u-blox M8 Receiver description, [UBX-13003221](#)
- [2] NEO/LEA-M8T Data sheet, [UBX-15025193](#)
- [3] u-blox M8 TIM1.12 Release note, UBX-23001939 – under NDA