

Product change information

Topic NEO-M8L, NEO-M8U: New order codes
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1 Affected products

Product name	Old order codes	New order code	New firmware version
NEO-M8L	NEO-M8L-05B NEO-M8L-04B NEO-M8L-0	NEO-M8L-06B	ADR 4.50
NEO-M8U	NEO-M8U-05B NEO-M8U-04B NEO-M8U-0	NEO-M8U-06B	UDR 1.50

2 Type of change

- ☒ Hardware modification
- ☒ Firmware update
- ☒ Documentation update
- ☒ Other: new part number

3 Description

NEO-M8U and NEO-M8L use an inertial measurement unit sensor (IMU). The sensor being used today has limited availability due to a shortage of IMU sensors on the market.

To improve the resilience of our supply chain u-blox has selected new IMU sensors for professional grade NEO-M8L and NEO-M8U which fulfill the u-blox performance requirements given in the data sheets.

The product specifications, overall performance and characteristics of the product remain unchanged.

Using new IMU sensor requires updating the existing firmware with new SW drivers resulting in new firmware versions, namely ADR 4.50 for NEO-M8L and UDR 1.50 for NEO-M8U.

4 Schedule for new order codes

Product name	Order code	Availability
NEO-M8L	NEO-M8L-06B	e/o Feb 2021 (ES), e/o Mar 2021 (IP)
NEO-M8U	NEO-M8U-06B	e/o Feb 2021 (ES), e/o Mar 2021 (IP)

5 Customer impact and recommended action

It is mandatory to select new part numbers as the old part numbers cannot be supplied any more. For existing orders please contact your local sales contact.

We thank you for your understanding and assure you our very best support.

6 Q&A

Q: What impact on performance will the new IMU sensor have?

New IMU sensor generation has improved performance which might be visible in tunnels/parking garages. However, u-blox does not expect relevant changes on dead reckoning performance figures given in the data sheets today.

Q: Will there be a 2nd source available for new part numbers?

Yes, there will be two different IMU sensors fully qualified for the new part numbers to secure u-blox supply chain.

Q: Can customer choose which IMU sensor will be used?

No, customers cannot select the IMU sensor. The performance is validated and fulfill the performance criteria given in the data sheet.

Q: What is the difference in the new firmware compared to latest ADR 4.31 firmware?

New ADR 4.50 and UDR 1.50 firmware is based on ADR 4.31 but only adds additional drivers for new IMU sensor drivers. Once the new firmware is released official release notes will be available on the [u-blox website](https://www.u-blox.com/en).