

Quanta

Product Change Notice

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This notice is to inform you about a change in Quanta product range.

1. Description of change

SBG Systems has developed a solution to enhance the electromagnetic compatibility (EMC) robustness of the Quanta Plus product, making it more resilient in extreme conditions. This change does not impact the size or interfaces, with only a minimal increase in mass of 2 g.

Since both the Quanta Plus and Quanta Extra products do not feature a Marine version, their GNSS receiver has been upgraded from the Septentrio m3-FG to the Septentrio m3-Pro+. Both versions maintain the same core advantages: triple-band support, all major constellations tracking (GPS, GLONASS, GALILEO, BEIDOU, QZSS), as well as RTK and post-processing capabilities.

The new receiver version will support Galileo's High Accuracy Service (HAS), a free global PPP service, and will also support additional constellations and signal bands such as Indian NavIC, Galileo E6, and Galileo AltBOC. However, it will no longer support the third-party Fugro Marinestar™ PPP service which remains available on other products on our portfolio.

No change as been made to the IMU or IMU performances.

2. Previous hardware EOL announcement

i **Note:** This EOL has a short notice, as the new hardware is fully compatible with the previous one and therefore does not require specific re-qualification.

The new hardware identification will be performed through a new part number and hardware code, but the new Hardware code will keep a revision 2 as the previous generation. The life cycle schedule of the current generation is defined in the following table :

End of Life	March 7 th 2025	The current generation of Quanta Plus and Quanta Extra (QUANTA-SSG Rev. 2 and QUANTA-SXG Rev. 2) is end of life with immediate effect.
Last Buy Order	September 8 th 2025	The current generation of Quanta Plus and Quanta Extra (QUANTA-SSG Rev. 2 and QUANTA-SXG Rev. 2) cannot be ordered after September 8 th 2025
End of support	Not planned	The current generation of Quanta Plus and Quanta Extra (QUANTA-SSG Rev. 2 and QUANTA-SXG Rev. 2) support will end at the same time as the new generation (QUANTA-AAB-00 Rev. 2 and QUANTA-AAE-00 Rev. 2). This date is not planned yet.

3. Impact of change

SBG Systems has taken all actions to ensure a smooth transition for all users.

- The change has no impact on any mechanical, electrical or digital interface.
- The new hardware revision is 100% fit form function compatible with previous hardware. The Quanta Plus EMC improvement is implemented between existing PCB layers and is inside the initial keep-out area. The product mass increases from 78g to 80g.
- The old and new GNSS receivers have the exact same mass and form factor, so the mass of Quanta Extra is not changing.
- The GNSS performances are at least the same and the new features are better matching the requirements for a non-Marine product.

Development kits remains compatible with the new products.

4. New commercial offer

The product part numbers are replaced as described in the following table.

P/N	Product Name	Hardware Code&Rev.	New P/N	New Product Name	Hardware Code&Rev.
100-2890	QUANTA Plus	QUANTA-SSG Rev.2	100-4291	QUANTA Plus	QUANTA-AAB-00 Rev. 2
100-2889	QUANTA Extra	QUANTA-SXG Rev. 2	100-4292	QUANTA Extra	QUANTA-AAE-00 Rev. 2

The new part numbers can be ordered immediately.

5. Sales contact

If you need any further information after reading this document, please contact us by email or phone.

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