



## ***PRODUCT CHANGE NOTIFICATION***

Date: 24-05-2024

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Ethernet improvements for Septentrio AsteRx-m3 and AsteRx-i3 product line.

## **Product Change Notification**

<b>ECN type</b>	Permanent change
<b>Author</b>	<a href="#">François Freulon</a>
<b>Reviewed by</b>	Jan Van Hees
<b>Content of changes</b>	Ethernet improvements for Septentrio OEM AsteRx-m3 and AsteRx-i3 product's line
<b>End Date</b>	
<b>For Distribution to</b>	All OEM Boards customers
<b>Product Affected</b>	All OEM Boards variants
<b>Supplier</b>	<i>Septentrio</i>
<b>Urgency</b>	<i>URGENT</i>
<b>Additional information</b>	

Dear Customer,

Septentrio announces improvements on the Ethernet stability at low temperature. The change is applicable to the OEM boards AsteRx-m3 and AsteRx-i3 product family.

This is a rolling change that will be implemented starting from May 27<sup>th</sup> 2024.

For additional information on Septentrio products and latest firmware, please contact your local sales representative ([sales@septentrio.com](mailto:sales@septentrio.com)) or the Customer Support Portal at <https://www.septentrio.com/en/support>.

Best Regards  
 François Freulon  
 Head of Product Management

Ethernet improvements for Septentrio AsteRx-m3 and AsteRx-i3 product line.

# 1 Reasons and explanation for the engineering change

## 1.1 Description:

The change addresses corner cases of suboptimal communication over the Ethernet interface, e.g. minimizing packet losses at low temperatures or in specific setups.

The change is related to a component's change on the AsteRx-m3 and AsteRx-i3 OEM boards.

The component change will be integrated in the next production of the AsteRx-m3 and AsteRx-i3 OEM boards.

For the stock units, the component change will be done manually and the traceability of this change will be mentioned by adding a white label on the OEM boards' shield as describe below:



For the next production of the AsteRx-m3 and AsteRx-i3 OEM boards, the HW revision of the OEM boards will be increased to identify this BOM change.

## 1.2 Impacted products.

Short Description
All AsteRx-m3 Boards
All AsteRx-i3 Boards

## 1.3 Validity

This is a rolling change that will be implemented starting from May 27<sup>th</sup> 2024.