

End of Life Notice

Topic:	EOL MTi-x-0l
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1 Purpose

This is a notification to all customers that Movella will officially implement an End of Life (EOL) for the MTi 1-series v3 (MTi-x-0l) as described in Section 2, and that a new hardware version for the MTi 1-series product line will be released. The milestones and dates are mentioned in Section 3.

Due to global constraints in the supply of MEMS components and consequently to ensure continuity of supply of compatible MTi 1-series products, a new magnetometer is incorporated in the hardware design of the MTi 1-series. This results in the availability of hardware version 5 of the MTi 1-series; the MTi-x-5A.

2 Affected Products

Current Part Number	Remarks
MTi-1-0l	T, C or R could be added to part number to indicate Tray or Reel packaging
MTi-2-0l	T, C or R could be added to part number to indicate Tray or Reel packaging
MTi-3-0l	T, C or R could be added to part number to indicate Tray or Reel packaging
MTi-3-0l -DK	Development Kit including MTi-3 module
MTi-7-0l	T, C or R could be added to part number to indicate Tray or Reel packaging
MTi-7-0l -DK	Development Kit including MTi-7 module
MTi-8-0l	T, C or R could be added to part number to indicate Tray or Reel packaging
MTi-8-0l -DK	Development Kit including MTi-8 module

End of Life Notice

3 Milestones and dates

Milestone	Description	Date
End-of-Life Notice	This document that describes the affected products, schedule and alternatives.	March 2023
End-of-Sale	The last date that products that are subject to this EOL can be ordered. Because of the nature of the EOL, limited supply is available, please contact your local representative for more information.	March 31 st , 2023
Last Shipping Date	The last-possible shipping date that can be requested.	December 2023
Last Date of Support	The last date that Xsens Technical Support will provide support on the products subject to this EOL procedure.	December 2024

4 Customer Impact

4.1 Functionality

While the MTi-x-0I is no longer available, a new product (MTi-x-5A) will become available with a new magnetometer component. Based on our initial tests, the new devices are fit, form and function compatible with the old devices.

Because of the new hardware version, there will also be a new compatible FW version available specifically for this HW version.

4.2 Non-Functional

The performance specifications of the magnetometer remain identical, see below table. Validation of the new parts' performance in the existing application is advised.

	Hardware MTi-x-0I	Hardware MTi-x-5A
Standard full range	+/-8 G	+/-8 G
Total RMS noise	0.5 mG	0.5 mG
Non-linearity	0.2%	0.2%
Resolution	0.25 mG	0.25 mG

End of Life Notice

The minimum input voltage is now 2.8V for the new HW version. However, the power consumption specifications remain the same.

4.3 Purchasing

Part numbering will be updated: Existing part numbers remain the same, new part numbers are created for hardware version 5.

Old Part Number	New Part Number	Comment
MTi-1-0I	MTi-1-5A	MTi-1-5A; minimum input voltage is now 2.8V
MTi-2-0I	MTi-2-5A	MTi-2-5A; minimum input voltage is now 2.8V
MTi-3-0I	MTi-3-5A	MTi-3-5A; minimum input voltage is now 2.8V
MTi-3-0I -DK	MTi-3-5A-DK	
MTi-7-0I	MTi-7-5A	MTi-7-5A; minimum input voltage is now 2.8V
MTi-7-0I -DK	MTi-7-5A-DK	
MTi-8-0I	MTi-8-5A	MTi-8-5A; minimum input voltage is now 2.8V
MTi-8-0I -DK	MTi-8-5A-DK	

4.4 Schedule

Event	Date
MTi-x-5A available for purchase	March 2023
MTi-x-5A available for shipment	April/May 2023

5 More information

In the event that you need assistance or require more information, please contact Movella or your local distributor: www.movella.com