



# IMX-5 Series

## End of Life Notification

Document: IS-EOL-2026-IMX5 Issued: March 12, 2026 Revision: 1.0

MILESTONE	DATE
EOL Announcement	March 12, 2026
IMX-6 Series Available	<b>May 1, 2026</b>
Last Order Date (IMX-5 Series)	<b>July 1, 2026</b>
Last Ship Date (IMX-5 Series)	<b>November 1, 2026</b>
End of All Support	<b>December 31, 2027</b>
Recommended Replacement	<b>IMX-6 Series — pin-compatible drop-in replacement</b>

## 1. Overview

InertialSense, Inc. hereby announces the End of Life (EOL) of the IMX-5 Inertial Measurement and Navigation Module and all associated product variants (collectively, the “IMX-5 Series”). This notice is issued to provide customers with adequate advance time to evaluate the replacement solution, qualify hardware and firmware, and complete an orderly design transition.

The IMX-5 has delivered tactical-grade inertial navigation performance in a compact, surface-mount form factor across drone navigation, unmanned vehicles, autonomous robotics, surveying, and maritime applications. InertialSense has developed the IMX-6 Series as a direct successor — engineered from the ground up to be a pin-compatible, drop-in replacement for the IMX-5 while delivering significantly improved performance across all key metrics.

## 2. Reason for End of Life

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The discontinuation of the IMX-5 Series is driven by two primary factors:

- **Component Obsolescence** — Key components used in the IMX-5 are approaching end of supply from their respective manufacturers. Continued procurement of these components at production volumes is no longer viable on a long-term basis.
- **Strategic Product Replacement** — InertialSense has developed the IMX-6 Series as a next-generation successor that delivers measurably superior performance across all specifications. Consolidating the product portfolio around the IMX-6 allows InertialSense to focus engineering and manufacturing resources on a single, advanced platform that better serves customer requirements.

InertialSense is committed to supporting customers through this transition and has structured the EOL timeline to minimize disruption to ongoing programs and production activities.

## 3. Affected Products

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All IMX-5 Series products are subject to this End of Life notice, effective the dates specified in Section 5:

Part Number	Description	Form Factor
IMX-5	10-DOF IMU, AHRS, GNSS-INS Module	PCB Module (SMD)
RUG-3-IMX-5	Rugged Enclosure + RS232 / RS485 / CAN	Rugged Enclosure
RUG-3-IMX-5-RTK	Rugged + Multi-Band L1/L2/E5 RTK GNSS	Rugged Enclosure
RUG-3-IMX-5-Dual	Rugged + Dual RTK GNSS + Compass Heading	Rugged Enclosure
IK-1-IMX-5	IMX-5 Breakout Board	PCB Module
IG-1-IMX-5-RTK	Module with Onboard RTK-GNSS Receiver and the IMX-5	PCB Module
IG-1-IMX-5-DUAL	Module with Dual Onboard RTK-GNSS Receiver and IMX-5	PCB Module
IG-2-IMX-5	Module with Dual Onboard RTK-GNSS Receiver and IMX-5	PCB Module

## 4. Recommended Replacement — IMX-6 Series

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### 4.1 Form-Fit-Function Compatible Replacement

#### ✓ Formal Form-Fit-Function (FFF) Compatibility Statement

The IMX-6 is a form-fit-function (FFF) compatible replacement for the IMX-5.

Customers engaged in aerospace, defense, or regulated procurement programs may cite this statement in qualification and configuration management documentation.

The IMX-6 and all related IMX-6 Series products were specifically engineered to be drop-in replacements for their IMX-5 counterparts. Customers can migrate from the IMX-5 to the IMX-6 with minimal engineering effort:

- Identical pinout — no PCB redesign required for IMX-5 to IMX-6 migration
- Same physical form factor and LGA footprint (15.6 × 12.5 × 2.9 mm module)
- Same supply voltage range (3.0 – 3.6 V) and identical I/O voltage levels
- Same communication interfaces: USB, UART ×3, SPI, RS232, RS485, CAN
- Same Inertial Sense SDK and communication protocols — minimal firmware changes required
- RUG-4-IMX-6 variants maintain mounting hole spacing and connector compatibility with RUG-3-IMX-5 enclosures

### 4.2 IMX-6 Availability

The IMX-6 Series will be commercially available beginning May 1, 2026. Customers are strongly encouraged to contact InertialSense before this date to request evaluation samples and begin qualification ahead of the IMX-5 Last Order Date of July 1, 2026.

### 4.3 Performance Improvements

The IMX-6 delivers a 30% overall improvement in navigation accuracy relative to the IMX-5. Specific specifications can be found in the IMX-6 datasheet:

<https://docs.inertialsense.com/datasheets/datasheets/>

## 4.4 Product Cross-Reference

IMX-5 (EOL)	IMX-6 (Replacement)	Compatibility
IMX-5	IMX-6	Pin-compatible PCB drop-in; same footprint
RUG-3-IMX-5	RUG-4-IMX-6	Compatible mounting, connectors, interfaces
RUG-3-IMX-5-RTK	RUG-4-IMX-6-RTK	Compatible mounting, connectors, interfaces
RUG-3-IMX-5-Dual	RUG-4-IMX-6-Dual	Compatible mounting, connectors, interfaces
IG-1-IMX-5-RTK	IG-1-IMX-6-RTK	Compatible mounting, connectors, interfaces
IG-1-IMX-5-DUAL	IG-1-IMX-6-DUAL	Compatible mounting, connectors, interfaces
IG-2-IMX-5	IG-2-IMX-6	Compatible mounting, connectors, interfaces

## 5. EOL Timeline & Required Customer Actions

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Milestone	Date	Required Customer Action
EOL Announcement	March 12, 2026	Begin migration planning. Contact InertialSense to request IMX-6 evaluation samples.
IMX-6 Commercial Availability	May 1, 2026	Initiate IMX-6 qualification testing. Place IMX-6 production orders.
Last Order Date — IMX-5	July 1, 2026	Submit all final IMX-5 purchase orders, including any Last-Time Buy quantities. No orders accepted after this date.
Last Ship Date — IMX-5	November 1, 2026	Receive final IMX-5 shipments. Complete transition to IMX-6 for new and existing designs.

End of All Support	December 31, 2027	All IMX-5 firmware, software, and technical support ends. Migrate fully to the IMX-6 platform.
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## 6. Last-Time Buy (LTB) Policy

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Customers who are unable to complete migration to the IMX-6 Series before July 1, 2026 may place Last-Time Buy orders to secure additional IMX-5 inventory. InertialSense will make commercially reasonable efforts to fulfill LTB orders subject to component and inventory availability.

### Last-Time Buy Order Requirements

- All LTB orders must be placed on or before July 1, 2026.
- LTB orders are non-cancellable and non-returnable once confirmed.
- All LTB units must ship no later than November 1, 2026.
- To place an LTB order, contact your InertialSense sales representative or email [sales@inertialsense.com](mailto:sales@inertialsense.com).

### Forecast Liability Disclaimer

Customers are solely responsible for determining their lifetime buy requirements prior to the Last Order Date.

InertialSense will not accept returns, cancellations, or liability for forecast inaccuracies after the Last Order Date of July 1, 2026. Customers should assess their long-term program requirements carefully and place LTB orders accordingly. InertialSense recommends consulting your program office and supply chain team before finalizing LTB quantities.

## 7. Support Policy During Transition

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### 7.1 Firmware & Software Support

InertialSense will continue to provide firmware updates, bug fixes, and software support for the IMX-5 Series through December 31, 2027. After this date, the IMX-5 will no longer receive firmware updates, security patches, or dedicated engineering support. The Inertial Sense SDK will remain backward-compatible with the IMX-5 through the end-of-support date.

## 7.2 Migration Assistance

InertialSense applications engineering is available at no charge to assist customers with the transition from the IMX-5 to the IMX-6. Support includes:

- Hardware design review and pin-compatibility verification
- Firmware and Inertial Sense SDK migration guidance and example code
- Application notes covering common migration scenarios
- Direct engineering consultation for complex integration requirements

## 7.3 Contact Information

<b>General Inquiries</b>	<a href="mailto:info@inertialsense.com">info@inertialsense.com</a>
<b>Sales &amp; LTB Orders</b>	<a href="mailto:sales@inertialsense.com">sales@inertialsense.com</a>
<b>Technical Support</b>	<a href="mailto:support@inertialsense.com">support@inertialsense.com</a>
<b>IMX-6 Evaluation Samples</b>	Contact your InertialSense sales representative
<b>Documentation &amp; SDK</b>	<a href="https://docs.inertialsense.com">docs.inertialsense.com</a>
<b>Website</b>	<a href="https://www.inertialsense.com">www.inertialsense.com</a>

## 8. Warranty & Legal Notice

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This End of Life notice does not affect any product warranties in effect at the time of purchase. InertialSense's standard warranty terms and conditions remain applicable to all IMX-5 units purchased prior to the Last Ship Date.

InertialSense reserves the right to modify the terms of this notice, including key dates, based on component availability and customer requirements. Customers will be notified of any material changes via direct communication and the InertialSense website.

## 9. Document Revision History

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Rev	Date	Author	Description
1.0	March 12, 2026	InertialSense, Inc.	Initial End of Life announcement for IMX-5 Series

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