

Release Notes

Engineering samples release for MTi-7

Author: Product Manager

Date: April 10, 2018



1 About this release

This document details the engineering samples release for the new product MTi-7 (GNSS/INS) module and the module's development kit (MTi-7-DK). Though the hardware design of the modules (MTi-7) and the development kit (MTi-7-DK) is final, due to the beta release status of the software components this is an 'Engineering samples' release.

Table 1: Overview of the MTi Product Portfolio

Product Family	Product versions	Generation	Status
1-series	MTi-1 (IMU) MTi-2 (VRU) MTi-3 (AHRS) MTi-7 (GNSS/INS)	-	Active
10-series	MTi-10 (IMU) MTi-20 (VRU) MTi-30 (AHRS)	4 th generation	Inactive
		5 th generation	Active
100-series	MTi-100 (IMU) MTi-200 (VRU) MTi-300 (AHRS)	4 th generation	Inactive
		5 th generation	Active
100-series	MTi-G-700 (GPS/INS) MTi-G-710 (GNSS/INS)	4 th generation	Inactive
100-series	MTi-G-710 (GNSS/INS)	5 th generation	Active

Table 2: Release versions

Release component	Product applicability	New version	Comments
Firmware	MTi-7	1.2.5	New product BETA firmware release.
MT Software Suite	MTi-7-DK	4.8.6	BETA software release with support for MTi-7-DK.

2 Notes

- With the *stable firmware* release, which is targeted for May/June 2018 the Engineering samples can be upgraded to 'Production samples' using the Firmware Updater.
- Support for MTi-7 in example code for ARM® Mbed™ will be extended after the release of the *stable firmware*.
- Magnetic Field Mapper with the MT Software Suite Linux installer package on Ubuntu 16.04 and higher is not supported yet. It will be fixed with the next release.
- With MT Software Suite 4.8.6, setting the 'Baud rate' either using the MT Manager or using the XDA requires an explicit reset or power cycle of the MTi device for the change to take effect.

3 Compatibility

Software platform	Notes on support
Windows 10 64-bit, Linux 64-bit (Ubuntu 16.04)	Tested and officially supported

Release Notes

Engineering samples release for MTi-7

Author: Product Manager

Date: April 10, 2018



Windows 7 32-bit, Windows 8 64-bit, Windows 7 64-bit and Linux 32-bit (Ubuntu 16.04)	No official support
--	---------------------

4 Bug fixes, improvements and features

This section details the list of issues tackled in this release for the release components of Firmware (Table 3) and the MT Software Suite (Table 4).

Table 3: Firmware

New feature	Added support to new product MTi-7 GNSS/INS module
--------------------	--

Table 4: MT Software Suite

New feature	Added support to MTi-7-DK (MTi-7 Development Kit)
--------------------	---

5 Product overview and current status

This section reports in Table 5 the relative release status of all the MTi product components.

Table 5: Complete list of product series and their release status

Components	Product applicability	Stable version	Beta version	Comments
Firmware	10-series 100-series	1.7.2	1.7.4	5 th generation
	MTi-G-710	1.7.2	1.7.4	5 th generation
	MTi-1 MTi-2 MTi-3	1.2.1	-	-
	MTi-7	-	1.2.5	Affected by this release.
	10-series 100-series MTi-G-700 MTi-G-710	1.8.2	-	4 th generation
MT Software Suite	1-series	4.8.0	4.8.2	-
	MTi-7-DK	-	4.8.6	Affected by this release.
	10-series 100-series MTi-G-700 MTi-G-710	4.8.0	-	4 th generation
	10-series 100-series MTi-G-710	4.8.0	4.8.6	5 th generation
Firmware Updater	MTi Product Family (Table 1)	4.2.2	-	-