



**ON Semiconductor**

# Product End of Life Notice

## FMT1000-series

### Purpose

This is a Notification to customers that ON Semiconductor (formerly Fairchild Semiconductor) will officially implement an End-of-Life (EOL) for the following parts immediately.

#### Motion Trackers

- FMT1010R
- FMT1020R
- FMT1030R
- FMT1010T
- FMT1020T
- FMT1030T
- FEBFMT1030

### Milestones and dates

Milestone	Definition	Date
<b>End-of-Life Notice</b>	This document that describes the affected products, schedule and alternatives.	November 8, 2016
<b>End-of-Sale</b>	The last date that products that are subject to this EOL procedure can be ordered.	Not applicable
<b>Last Shipping Date</b>	The last shipping date that customers can request	Not applicable
<b>Last Date of Support</b>	The last date that Technical Support will be provided on the products subject to this EOL procedure.	November 8, 2017

## Alternative products

The MTi 1-series is fully compatible. This includes hardware (measures, footprint and pinout) and software (interface, communication protocol, features and drivers).

A list of differences is found below:

Parameter	Unit	FMT1000-series	MTi 1-series
Orientation performance roll/pitch (static)	deg	2.0	0.75
Orientation performance roll/pitch (dynamic)	deg	3.0	1.0
Orientation performance yaw	deg	3.0	2.0
Orientation performance heading tracking	deg/60 min	5-10	<1
Gyroscope non-linearity	% of FS	<0.2	<0.1
Gyroscope bandwidth	Hz	200	180
Accelerometer full scale	g	±8	±16
Accelerometer non-linearity	% of FS	1.0	0.5
Noise density	µg/√Hz	50	200
Zero g output	mg	±50	±2
Accelerometer bandwidth	Hz	200	180
Alignment gyr to acc	deg	0.1	0.05
Alignment mag to acc	deg	0.2	0.1
Alignment acc to module board	deg	0.3	0.2
VDD	V	2.4 – 3.0	2.16 – 3.45
VDDIO	V	1.8 – 1.98	1.8 – VDD
Absolute max VDD	V	0.3 – 3.6	0.3 – 4.0
Absolute max VDDIO	V	0.3 – 2.05	0.3 – VDDIO+0.5

FMT product (EOL)	Alternative product
FMT1010 (IMU)	MTi-1-8A7G6 (IMU)
FMT1020 (VRU)	MTi-2-8A7G6 (VRU)
FMT1030 (AHRS)	MTi-3-8A7G6 (AHRS)
FEBFMT1030 (Eval board)	MTi-3-8A7G6-DK (Eval board)

For more information and pricing, visit [www.xsens.com/mti-1-series](http://www.xsens.com/mti-1-series).