

## GNSS dead-reckoning module evaluation board based on Teseo-VIC3D and Teseo-VIC3DA



### Features

- ST Teseo-VIC3DA/D GNSS dead-reckoning platform
- Multiconstellation GNSS: GPS, Galileo Glonass, BeiDou, QZSS supported
- Dead-reckoning supported
- USB Power Supply and battery charge
- ON/OFF and reset buttons available
- NMEA over:
  - UART by USB
  - Signals by connector
- PPS output
- Leds:
  - PPS
  - Power
- Odometer connector

### Description

The **EVB-VIC3DA** is a complete standalone evaluation platform for Teseo-VIC3DA/D GNSS dead-reckoning module ST solution. Teseo-VIC3DA/D embeds the high performance ARM microprocessor with embedded flash, ST 3D MEMS, UART and I2C serial communication interfaces. Performance and configuration can be analysed using the ST Teseo Suite PC Tool available on [www.st.com](http://www.st.com)

#### Product status link

[EVB-VIC3DA](#)

#### Product summary

<b>Device Type</b>	EVB-VIC3DA
<b>Dead-reckoning module</b>	Teseo-VIC3D Teseo-VIC3DA

---

## 1 HW and SW resources

---

### 1.1 ST GNSS solutions

Teseo-VIC3DA/D is part of ST Teseo GNSS dead-reckoning family solution supported

### 1.2 Power supply

Board powered through USB or battery for standalone usage.

### 1.3 NMEA port supported

- Teseo-VIC3DA/D-UART over USB
- Teseo-VIC3DA/D-I2C over signal connector

### 1.4 Connectors

- Antenna SMA Female
- Teseo-VIC3DA/D – I2C over signals connector available
- Teseo-VIC3DA/D- Odometer over signals connector available
- VCC and VBAT voltages over signals connector available

### 1.5 Kit contents

- EVB-VIC3DA evaluation board
- GNSS antenna
- USB cable

## Revision history

**Table 1. Document revision history**

Date	Version	Changes
10-Nov-2020	1	Initial release.
07-Oct-2021	2	Updated title in cover page. Added device Teseo-VIC3D and document updated accordingly.

---

## Contents

<b>1</b>	<b>HW and SW resources</b>	<b>2</b>
1.1	ST GNSS solutions	2
1.2	Power supply	2
1.3	NMEA port supported	2
1.4	Connectors	2
1.5	Kit contents	2
	<b>Revision history</b>	<b>3</b>
	<b>Contents</b>	<b>4</b>

**IMPORTANT NOTICE – PLEASE READ CAREFULLY**

STMicroelectronics NV and its subsidiaries (“ST”) reserve the right to make changes, corrections, enhancements, modifications, and improvements to ST products and/or to this document at any time without notice. Purchasers should obtain the latest relevant information on ST products before placing orders. ST products are sold pursuant to ST’s terms and conditions of sale in place at the time of order acknowledgement.

Purchasers are solely responsible for the choice, selection, and use of ST products and ST assumes no liability for application assistance or the design of Purchasers’ products.

No license, express or implied, to any intellectual property right is granted by ST herein.

Resale of ST products with provisions different from the information set forth herein shall void any warranty granted by ST for such product.

ST and the ST logo are trademarks of ST. For additional information about ST trademarks, please refer to [www.st.com/trademarks](http://www.st.com/trademarks). All other product or service names are the property of their respective owners.

Information in this document supersedes and replaces information previously supplied in any prior versions of this document.

© 2021 STMicroelectronics – All rights reserved