
Teseo-DRAW GNSS evaluation board

Data brief

**Description**

Teseo-T3DRAW2 board is a complete standalone evaluation platform for Teseo DRAW GNSS ST solution.

Teseo III embeds the high performance ARM946 microprocessor with dedicated SRAM and several serial communication interfaces, including USB, SPI, I²C, UART and CAN.

Performance and configuration can be analyzed using the ST TESEO-SUITE PC Tool^(a).

Features

- ST Teseo III GNSS platform with Teseo-DRAW software;
- Multiconstellation GNSS: GPS, Galileo, Glonass, Beidou, QZSS are supported;
- USB Power Supply and battery charge;
- Internal battery for standalone usage;
- ON/OFF and Reset buttons available;
- NMEA over:
 - Bluetooth;
 - UART by USB;
- μ SD/MMC card reader for easy logging;
- ST 6-axis sensor ASM330LHH or ST 6-axis sensor LSM6DS and ST pressure sensor to enable ST Teseo DRAW;
- PPS output;
- Leds:
 - PPS
 - Fix status
 - Antenna sensing
 - Power
 - FIX
 - CAL

a. ST TESEO-SUITE can freely be downloaded from:

www.st.com

Contents

- 1 HW and SW resources 4**
 - 1.1 ST GNSS solutions 4
 - 1.2 Power supply 4
 - 1.3 Sensors 4
 - 1.4 Connectors 4
 - 1.5 NMEA port supported 4
 - 1.6 Kit contents 4

- 2 Revision history 5**

List of tables

Table 1. Document revision history 5

1 HW and SW resources

1.1 ST GNSS solutions

Teseo III ST GNSS family solution is supported.

1.2 Power supply

Board powered through USB or battery for standalone usage. Battery charger is supported.

1.3 Sensors

Board equipped with sensors over Teseo III-I2C:

- ST 6-axis sensor ASM330LHH or ST 6-axis sensor LSM6DSL
- ST Pressure sensor: LPS25H

1.4 Connectors

OBD connector for Odometer information uSD/MMC is available for data-logging.

1.5 NMEA port supported

- Teseo III UART-2 over USB^(a)
- Teseo III UART-0 over ST Bluetooth 3.0 module: SPBT2632C2A.AT2

1.6 Kit contents

- Teseo-T3DRAW2 evaluation board;
- GNSS Antenna
- USB cable
- Cigarette lighter
- MMC card
- OBD cable

a. UART/USB bridge driver needed. Driver can be downloaded from: FITDIchip web site.

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
22-Jan-2019	1	Initial release.

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. 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.

© 2019 STMicroelectronics – All rights reserved