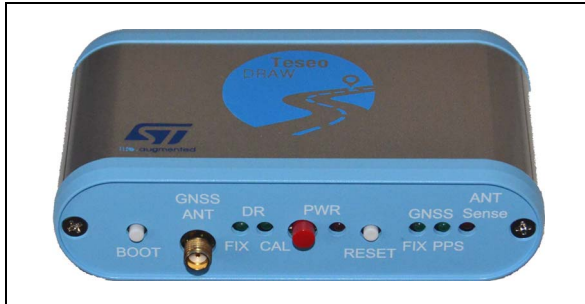# EVB-T3DRAW2

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;
- µSD/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

For further information contact your local STMicroelectronics sales office.   *www.st.com*

Contents

List of tables

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

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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.

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