

Teseo-V dead reckoning evaluation board



Features

- ST Teseo-V STA8100GA dead reckoning GNSS platform
- Multiconstellation and MultiBand GNSS receiver; GPS, Galileo Glonass, BeiDou, QZSS supported
- USB power supply
- Button:
 - ON/OFF button
 - Reset button
 - Boot button
- NMEA over UART by USB
- PPS output
- Leds:
 - PPS
 - Power
 - Antenna
- ODO/CAN connector
- STMicroelectronics ASM330LHH MEMS

Description

The **EVB-T5DR** board is a complete standalone evaluation platform for Teseo-V STA8100GA GNSS MultiBand and Multiconstellation receiver dead reckoning IC solution.

The EVB-T5DR is designed for the best STA8100GA performance. Boot and reset buttons allow an easy programming procedure.

The 14-pin connector allows access to the ODO/CAN signals to simplify car-connection.

Teseo-V embeds the high performance ARM™ Cortex-M7 microprocessor with RF front-end able to support different bands (L1 and L5), UART communication interfaces.

Performance and configuration can be analysed using the STMicroelectronics Teseo Suite PC Tool available on www.st.com.

Product status link	
EVB-T5DR	
Order code	References
EVB-T5DR	Teseo-V dead reckoning evaluation board

1 HW and SW resources

1.1 ST GNSS solutions

Teseo-V STA8100GA is part of STMicroelectronics Teseo GNSS MultiBand and Multiconstellation family solution supported.

1.2 Power supply

Board powered through USB.

1.3 NMEA port supported

Teseo-V UART over USB.

1.4 Connectors

The connectors are:

- Antenna SMA female
- ODO/CAN signals available (on 4x1 connector)
- SD/MMC connector

1.5 Sensor

STMicroelectronics ASM330LHH MEMS.

6-axis inertial module: 3D accelerometer and 3D gyroscope

1.6 Kit contents

- EVB-T5DR evaluation board
- USB cable

Revision history

Table 1. Document revision history

Date	Version	Changes
03-Jan-2022	1	Initial release.

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