

## Teseo-V Evaluation Board



### Features

- ST Teseo-V STA8100GA with RF Front-End STA5635A GNSS platform
- Multiconstellation and MultiBand GNSS: 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
- ST ASM330LHH MEMS

### Description

The **EVB-T5** board is a complete standalone evaluation platform for Teseo-V STA8100GA GNSS Multi Band and Multi Constellation Receiver with STA5635A RF Front-End IC solution.

The EVB-T5 is designed for best STA8100GA and STA5635A best performance. Boot and Reset buttons allow an easy programming procedure.

The 4-pins 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, L2 and L5), UART communication interfaces.

The STA5635A is a fully integrated RF front-end able to support different bands (L2 and L5) with a programmable IF Bandwidth (7 or 13 MHz).

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	
<a href="#">EVB-T5</a>	
Order code	References
<b>EVB-T5</b>	Teseo-V Evaluation Board

## **1 HW and SW resources**

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### **1.1 ST GNSS solutions**

Teseo-V STA8100GA with STA5635A is part of ST Teseo GNSS Multi-Band and Multi Constellation 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 Sensors**

ST ASM330LHH MEMS.

### **1.6 Kit contents**

- EVB-T5 Evaluation Board
- USB cable

## Revision history

**Table 1. Document revision history**

Date	Version	Changes
12-Feb-2020	1	Initial release.

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