

Teseo-LIV3F GNSS module Evaluation Board

Data brief



Description

EVB-LIV3F board is a complete standalone evaluation platform for Teseo-LIV3F GNSS module ST solution.

Teseo-LIV3F embeds the high performance ARM microprocessor with embedded flash, UART and I2C serial communication interfaces.

Performance and configuration can be analyzed using the ST Teseo Suite Light PC Tool .⁽¹⁾

Features

- ST Teseo-LIV3F GNSS platform
- Multiconstellation GNSS: GPS, Galileo Glonass, Beidou, QZSS supported
- USB Power Supply and battery charge
- Internal battery footprint for standalone usage
- ON/OFF and Reset buttons available
- NMEA over
 - UART by USB
 - I2C by connector
- PPS output
- Leds:
 - PPS
 - Power

1. ST Teseo Suite can freely be downloaded from:
<http://www.st.com>

1 HW and SW resources

1.1 ST GNSS solutions

Teseo-LIV3F is part of ST Teseo GNSS family solution supported.

1.2 Power supply

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

1.3 NMEA port supported:

- Teseo-LIV3F-UART over USB ⁽²⁾
- Teseo-LIV3F-I2C

1.4 Connectors

- Antenna SMA Female
- Teseo-LIV3F-I2C signals available (on 4x1 connector)
- VCC, VCC_IO voltage available for power estimation (on 2x2 connector)

1.5 Kit contents

- Teseo-LIV3F evaluation board
- GNSS Antenna
- USB cable

2. UART/USB bridge driver needed. Driver can be downloaded from Silabs web site

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
14-Nov-2017	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.

© 2017 STMicroelectronics – All rights reserved