

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.

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