EVB-LIV3R

Teseo-LIV3R GNSS ROM module evaluation board

Data brief

Features

- ST Teseo-LIV3R GNSS platform
- Multi constellation GNSS: GPS, 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

Description

EVB-LIV3R board is a complete standalone evaluation platform for Teseo-LIV3R GNSS ROM module ST solution.

Teseo-LIV3R embeds the high performance ARM microprocessor, UART and I2C serial communication interfaces. Performance and configuration can be analyzed using the ST Teseo Suite PC Tool.[(a)]

a. ST Teseo Suite can freely be downloaded from:

http://www.st.com

1 HW and SW resources

1.1 ST GNSS solutions

Teseo-LIV3R is part of ST Teseo GNSS family solution supported.

1.2 Power supply

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

1.3 NMEA port supported:

- Teseo-LIV3R-UART over USB [b]
- Teseo-LIV3R-I2C

1.4 Connectors

- Antenna SMA Female
- Teseo-LIV3R-I2C signals available (on 4x1 connector)
- VCC, VCC_IO voltage available for power estimation (on 2x2 connector)

1.5 Kit contents

- Teseo-LIV3R evaluation board
- GNSS Antenna
- USB cable

b. UART/USB bridge driver needed. Driver can be downloaded from FTDIChip web site

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
18-Feb-2019	1	Initial release.

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