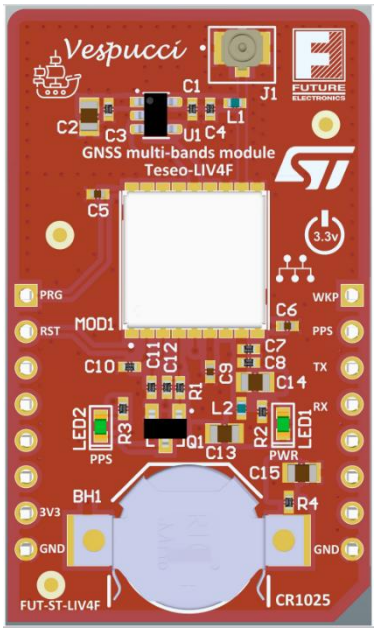
Vespucci Simplifies Location / Tracking Designs

Data Brief

Overview

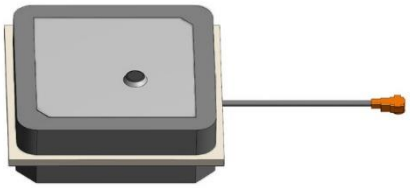


Ordering Part Number:
FUT-ST-LIV4F

Vespucci is a simple demonstration board designed by Future Electronics in partnership with ST Micro. It features ST Micro's low power Teseo-LIV4F standalone module, which is an easy-to-use Global Navigation Satellite System (GNSS) module, embedding Teseo IV single die standalone positioning receiver IC working simultaneously on multiple constellations (GPS/Galileo/Glonass/BeiDou/QZSS). The Teseo-LIV4F modules bring the proven accuracy and robustness of Teseo IV multi bands chips to the reach of everyone: the embedded firmware and the complete evaluation environment save development time, while the compactness and cost-effectiveness of this solution make it ideal for several applications, such as insurance, goods tracking, drones, tolling, anti-theft systems, people and pet location, vehicle tracking, emergency calls, fleet management, vehicle sharing, diagnostics and public transportation.

The Vespucci board is implemented in the mikroBUS™ format for maximum expandability. It can be a good companion board for the ST Micro B-L462E-CELL1 dev kit to build a complete IOT solution.

The Vespucci demonstration kit come with Abracon GNSS/GPS/GLONASS Active Patch Antenna (APAGM2704A-C2G) for easy evaluation.



Features

- mikroBUS™ compatibility for maximum expandability
- Abracon GNSS/GPS/GLONASS Active Patch Antenna
- Simultaneous multiconstellation and multi band GNSS (GPS/Galileo/Glonass/BeiDou/QZSS)
- IRNSS constellation ready
- -162 dBm tracking sensitivity
- Submeter Positioning Accuracy
- Embedded Flash
- Free firmware configuration
- VCC/VBAT supply voltage range: 3.0 V to 3.63 V
- Operating temperature (-40 °C - 85 °C)
- 10 µA standby current consumption and 48.8 mA GNSS L1&L5 tracking current consumption