

Features:

- On-board low noise 3.3V voltage regulator
- I2C (SDA, SCL), SPI and 2 UART (Tx, Rx) interface
- IPEX (U.FL) edge antenna connectors
- u-center ublox Evaluation Software
- Extensive visualization and evaluation features
- Time pulse LED, GEO LED, RTK LED (PIN for each LED)
- Backup supercapacitor
- Dimensions: 35x23 mm
- Weight: 4 gr.
- Fully assembled and ready to use
- 14 Holes with pitch 2.54mm

Reference: ELT0428



MODULE FEATURES

672-channel u-blox X20 engine

GPS L1C/A, L2C, L5

GAL E1B/C, E5a, E6

BDS B1I, B1C, B2a, B3I

QZSS L1C/A, L1C/B*, L2C, L5, L6

NavIC L1*, L5

SBAS L1C/A

SENSITIVITY

Hot starts: -157 dBm

Reacquisition: -160 dBm

Assistance AssistNow Online

OMA SUPL & 3GPP compliant

TCXO Oscillator

Anti-jamming CW detection

Anti-spoofing Advanced anti-spoofing algorithms and OSNMA

Built-In RTC crystal

Flash Memory

Moving base For attitude sensing and heading applications

Active and passive antennas Supported

Flash Memory

CONVERGENCE TIME

RTK: < 10 sec

PPP: < 120 sec

Acquisition Cold starts: 27 sec

Aided starts: 2 sec

Reacquisition: 2 sec

POSITION ACCURACY

RTK 0.01 m + 1 ppm CEP

PPP 0.10 m CEP

NAVIGATION UPDATE RATE

RTK up to 25 Hz