

Features:

- **M.2 2242 Key A+E** compatible (part of NGFF, Next Generation Form Factor)
- Two antenna inputs with IPEX connectors
- Only USB interface used
- Time pulse LED, GEO LED, RTK LED, Power LED
- u-precise Unicore evaluation software
- Extensive visualization and evaluation features
- Backup supercapacitor
- Dimensions: 22x42 mm
- Weight 10 gram
- Fully assembled and ready to use

Reference: ELT0215



GNSS FEATURES

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|-----------------|--|
| Receiver type | 1408-channel NebulasIV engine Beidou, Galileo, GLONASS, GPS/QZSS |
| GNSS platform | All-constellation Concurrent GNSS |
| GNSS bands | L1C/A/L2P (Y)/L2C/L5, B1I/B2I/B3I, G1/G2, E1/E5a/E5b, L1/L2/L5 |
| GNSS technology | Dual RTK |

PERFORMANCE

Horizontal pos. accuracy

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|--------------------|-----------------|
| Single point (RMS) | 1.5 m |
| DGPS (RMS) | 0.4 m + 1 ppm |
| RTK (RMS) | 0.008 m + 1 ppm |

Vertical pos. accuracy

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|--------------------|-----------------|
| Single point (RMS) | 2.5 m |
| DGPS (RMS) | 0.8 m + 1 ppm |
| RTK (RMS) | 0.015 m + 1 ppm |

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|-------------------------|-------------------|
| Heading accuracy (RMS) | 0.1°/1 m baseline |
| Velocity accuracy (RMS) | 0.03 m/s |
| Time accuracy (RMS) | < 20 ns |

Observation accuracy (RMS)

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|-----------------------------|------|
| Pseudorange (all systems) | 10cm |
| Carrier Phase (all systems) | 1 mm |

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|--------------------------------|------------------|
| RTK Initialization time | < 5 s (typ) |
| RTK initialization reliability | > 99.9% |
| Time to First Fix | Cold start < 30s |

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|------------------|--------------------|
| Data update rate | Dual antenna 20 Hz |
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OTHER FEATURES

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|-------------------------------|--|
| Heading | Angle from the True North to the baseline between Master and Slave antennas Angle from True North to the baseline of the base to rover in RTK mode. |
| Anti-spoofing | Advanced anti-spoofing algorithms |
| Anti-jamming | Active CW detection and removal Jamming status for each frequency |
| Operating temperature | 0 °C to +50 °C |
| Supply voltage | 3.3 V |
| Supply current | <200 mA typ (without external antenna) |
| External antenna requirements | Supply voltage <3.0 V Consumption current <100 mA |