

Technical Parameters

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| signal tracking | |
| Frequency Range(MHz) | BDS:BDS-2: B1I, B2I, B3I BDS-3:B1I,B3I,B1C,B2a,B2b" GPS:L1C/A,L2P,L2C,L5.L1C GLO:G1,G2,G3* GAL:E1,E5b, E5a, E5 AltBoC*,E6c* QZSS*:L1C/A,L2C,L5,L1C SBAS*:L1C/A,L5 IRNSS*:L5 |
| time characteristics | |
| Cold start | <20S |
| Precision | |
| Timing accuracy | 20ns |
| Standard single point positioning accuracy | H≤1.5m,V≤ 3m (1a,PDOP≤4) |
| Speed measurement accuracy | ≤0.02m/s (RTK fixed solution, 1a) |
| RTK initialization time | |
| RTK initialization time | <5s(D<10km) |
| RTK initialization confidence | >99.9% |
| RTK Precision | H:±(8+ 10*xD) mm V:±(15+ 10*x D) mm |
| Electrical properties | |
| Supply voltage | +3.3V to +3.45V DC |
| Power consumption | 0.95W |
| Data Format | |
| NMEA-0183 | GPGGA, GPGSV, GPGLL, GPGSA, GPGST, GPRMC. GPVTG.GPZDA etc. |
| RTCM3.X | 1004 - 1008,1012,1019,1020,1033,1042. 1045/1046,1230 |
| Hardware interface | UARTx4,PPSx1,EVENTx2,SPtx1 |

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|----------------------------|-----------------|
| Weight (g) | <6.6g |
| Dimension | 30mmx30mmx3.2mm |
| encapsulation | LGA 82 pin |
| Environment Specifications | |
| Operating Temperature (°C) | -40~+85 |
| Storage Temperature (°C) | -55~+95 |