

Technical Parameters

signal tracking

Frequency Range(MHz)	BDS:BDS-2:B1I,B2I,B31* BDS-3:B1I,B1C,B2a,B2b,B3I* GPS:L1C/A,L2P,L2C,L5 GLO:G1.G2* GAL:E1,E5b,E5a,E6c* QZSS*:L1C/A.L2C.L5 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	0.8W
Data Format	
NMEA-0183	GPGLL, GPGSV, GPGLL, GPGSA, GPGST, GPRMC. GPVTG.GPZDA.GPNTR etc.
RTCM3.X	1004 - 1008,1012,1019,1020,1033,1042. 1045/1046,1230
Hardware interface	UARTx3.PPSx1,PCx1,EVENTx1,SPIx1

IPEX

Weight (g)	<2.2g
Dimension	17mmx22mmx2.8mm
encapsulation	LGA 54 pin
Environment Specifications	
Operating Temperature (°C)	-40~+85
Storage Temperature (°C)	-55~+95