

3. Technical Index

General Index

Receivable frequency	L1,1575.42MHZ
C/A code	1.023MHZ
Channel	16

Sensibility

Search	-147dBm
Track	-152dBm

Precision

Location	7m CEP 90%, 3m CEP 50% (SA off)
Speed	0.1 m/s

Location time

Hot startup	12s, average
Warm startup	38s, average
Cold startup	60s, average

Dynamic condition

Altitude max.	10 km
Horizontal speed	515m/s
Acceleration	Max. 4g

GPS protocol

NMEA-0183 ASIC **protocol**
 Default NMEA GGA, GSA, GSV and RMC, (VTG, GLL and RMS optional)
 9600bps baud rate, 8 data bits, 1 stop bit, no check bit

Bluetooth index

Bluetooth code	V1.2
Emission power	Class 2 (4dBm max)
Receiving sensibility	-80dBm(Bit error rate less than 0.1%)
Communication distance	10m typical (free space)
Profile Communication Profile	Serial Port Profile (SPP)

Power consumption

Working current	45mA typical
Working voltage	3.7V
Chargeable voltage	5.7V

Battery

Recharge time	2.5hrs typical
Working time	About 20hr, track after the charging is full

Environment

Working temperature	-10℃ to +60℃
Storage temperature	-20℃ to +85℃