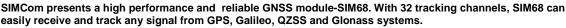






# SIM68



The ST engine integrated in SIM68 allows you to get high levels of sensitivity, accuracy and Time-to-First-Fix, which is perfect for your automotive and consumer applications.

## **Smart Machine Smart Decision**

### **Mechanical data**

- •Dimensions 15\*13\*2.4mm
- •Weight 1g
- •Package 34pin LCC

#### **Features**

- Support GPS/GLONASS/Galileo/QZSS
- •Support SBAS/ST-AGPS1
- Jamming Removing supported
- •Low-noise amplifier has been integrated

## **Interfaces**

Serial interfaces 3UART, SPI ,USB,2CAN,I<sup>2</sup>C

•Digital I/O STDBYN input

STDBYOUT output

Pulse-pre-second (PPS) output

•Analog I/O 2ADC input

•Protocols NMEA

ST-NMEA

## **Support product**

•SIM68 EVB KIT with USB V2.0 full speed interface

## Performance data

Receiver type

32 tracking channel and 2 fast acquisition channel compatible with GPS ,Galileo ,QZSS and Glonass systems

- •Max update rate 10Hz
- •Sensitivity<sup>2</sup>

Tracking -162dBm Navigation -160dBm Cold starts -148dBm

•Time-To-First-Fix3

Cold starts 35s Warm starts 24s Hot starts 1s

Accuracy

Automatic Position<sup>4</sup> 1.5m CEP

•Operation temperature -40 to +85 • Storage temperature -45 to +125

**Electrical data** 

•Power supply 3.0V to 3.6V

Power consumption<sup>2,6</sup>

Acquisition 100mA
Tracking 65mA
Backup 100uA

•Antenna type Active and passive

•Antenna power External

1.Autonomous ST-AGPS mode

2.Demonstrated in lab

3.All SV @ -130 dBm

4.50% 24 hr static, -130dBm

5.50%@ 30m/s

6. @3.3V with a passive antenna

More about SIMCom SIM68 Please contact: Tel: 86-21-32523300

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All specifications are subject to change without prior notice.