

FLYWOO GM8 MINI V1.0 GPS

Description

Brand: FLYWOO

Model: GM8 MINI V1.0 GPS

Dimension : 18mm*18mm*6mm

Weight : 4.6g

Connector : 1.00mm spacing between the 4pins patch seat

Specification

Electrical Characteristics

Chipset : M8030-KT

Receiving Format : GPS, GLONASS, Galileo, BeiDou, QZSS and SBAS

Frequency : GPS L1, GLONASS L1, BeiDou B1, SBAS L1, Galileo E1

Channels : 72 Searching Channel

Sensitivity

Tracking : -167dBm

Reacquisition : -160dBm

Cold start : -148dBm

Hot start : -156dBm

Accuracy

Position Horizontal : 2.0 m CEP 2D RMS SBAS Enable (Typical Open Sky)

Velocity : 0.1m/sec 95% (SA off)

Timing : 1us synchronized to GPS time

Acquisition Time

Cold Start : 26s

Warm start : 25s

Hot start : 1s

Data and Update Rate

Support Rate : 4800bps to 921600bps, Default 9600bps

Data Level : TTL or RS-232, Default TTL level

Data Protocol : NMEA-0183 or UBX, Default NMEA-0183

Single GNSS : 1Hz-18Hz

Concurrent GNSS : 1Hz-10Hz, Default 1Hz

Operational Limits

Altitude : 50,000m Max

Velocity : 515m/s Max

Acceleration : Less than 4g

Power consumption

VCC : DC Voltage 3.0V-5.5V,Typical: 5.0V

Current : Capture 50mA/5.0V

Operating temp : -40 °C ~ +85 °C

Storage Temp : -40 °C ~ +105 °C

Indicator :

TX LED:RED.The data output, TX LED flashing

PPS LED:red.PPS LED not bright when GPS not fixed,flashing when fixed

Wiring:

GND,TX output,RX input,VCC(3.0v-5.5v)

Package Included

1 x GM8 MINI V1.0 GPS Module

1 x 10cm Cable

