

Performance

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| Chipset: | SiRF StarIIe/LP |
| Antenna: | Integrated patch antenna |
| Frequency: | L1, 1575.42 MHz |
| Sensitivity: | -140 dBm (typical) |
| Channels: | 12 Channel all-in-view tracking |
| Acquisition time: | <ul style="list-style-type: none">• Cold Start: 60 sec• Warm Start: 40 sec• Hot Start: 5 sec |
| Reacquisition: | 0.1 sec |
| Position update: | 1 Hz |
| Accuracy: | <ul style="list-style-type: none">• Position: 10 meters 2D-RMS, SA off• Velocity: 0.1 meter/second, SA off• Time: 1 microsecond synchronized to GPS time• Datum: WGS-84 |

Electrical Power

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|----------------|------------------------------------|
| Primary power: | 3.3-5.5 Vdc |
| Current: | 65 mA typical, 75 mA with blue LED |

Interface

- Standard interface 3.0 V TTL
 - Connect to Host Platform's serial port via serial cable (RS-232)
 - Connect to Host Platform's USB port via USB cable
 - Connect to Host Platform's CF slot via CF adapter
 - Communicate with Host Platform by BT via Bluetooth (Class2) serial port Bluetooth Dock
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Protocol (NMEA-0183 (V2.3) standard)

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|----------------|------------------------|
| Data rate: | 4800 bps |
| NMEA message: | GGA, GSA, GSV, and RMC |
| WAAS/EGNOS: | Enabled |
| Trickle power: | Programmable |

Physical

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|------------|-----------------------|
| Dimension: | 55 mm x 49 mm x 16 mm |
| Weight: | 40 grams |

Environmental

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|------------------------|---|
| Operation temperature: | -20°C to 75°C (-4°F to 167°F) |
| Storage temperature: | -40°C to 90°C (-40°F to 194°F) |
| Dynamics: | <ul style="list-style-type: none">• Altitude < 20 km• Velocity < 900 km/h• Acceleration < 3g |