

jett.pack

GPS/GPRS GSM

Available for all
PACK Ready
JETT•XL® units.

The GPS/GPRS GSM JETT•PACK® is an integrated positioning system solution that contains a quad band GPRS module and a GPS receiver. The GPRS module contains all the functionality (including Voice, SMS, Circuit Switched Data, GPRS and EGPRS (Class 10 Data) required to integrate with global GSM/GPRS/EDGE networks.



The GPS receiver features a powerful 16-channel ANTARIS 4 positioning engine that gives you a superior level of performance for embedded GPS applications.



IMPORTANT NOTE!

Prior to using this GPRS/GSM device, you must contact a GSM service provider, such as T-Mobile® or AT&T® (Cingular) and arrange for a Service Plan. With this plan you will be provided with a SIM card which must be installed in this device, in order to communicate on the Service Provider's GSM network.

GPRS

RADIO PERFORMANCE

- Radio frequency: 850/900/1800/1900
- Sensitivity: -106 dB (Typical)
- Transmit Power: Class 4 (2W @850/900 MHz), Class 1 (1W @1800/1900 MHz)

EGPRS/GPRS PACKET DATA

- Mode: Class B, Multislot 10
- Protocol: GPRS Rel 97 and 99, SMG 31
- Coding Schemes: CS1 CS4
- Packet Channel: PBCCH/PCCCH

GSM FUNCTIONALITY

- Voice: FR, EFR, HR & AMR
- CS Data: Asynchronous, Transparent and Non-Transparent up to 14.4 KB
- GSM SMS: Text, PDU, MO/MT Cell Broadcast

SIM ACCESS

- SIM Carrier: 3V SIM Integrated Carrier

APPLICATION INTERFACE

- Host Protocols: AT Commands, CMUX
- Internal Protocols: PPP, CMUX
- API Control/Status: AT

PERIPHERAL INTERFACE

- 1 Headset (2.5mm Universal Jack)

GSM ANTENNA

- Quad Band Active Antenna (Internal) (850, 900, 1800, 1900 MHz)

GPS

RECEIVER PERFORMANCE DATA

- Receiver Type: 16-channel, L1 frequency, C/A code
- Max. Update Rate: 4 Hz
- Accuracy Position: 2.5 m CEP, GPS/SBAS: 2.0 m CEP*
- Start-up Times: Hot Start - 3.5 Secs. Warm Start - 33 secs./ Cold Start - 34 Secs. Aided Start - 5 secs./ Reacquisition - 1 Secs.
- Sensitivity: Tracking -158 dBm Acquisition & Reacquisition -148 dBm Cold Starts -142 dBm
- Timing Accuracy: RMS - 50 ns, 99% <100 ns
- Operational Limits: Velocity - 515 m/s (1000 knots)

* Depends on accuracy of correction data provided by the DGPS or SBAS service.

INTERFACE

- Protocols: NMEA, UBX Binary, RTCM

SUPPORTED SATELLITE SYSTEMS

- DGPS, WAAS, EGNOS, MSAS

GPS ANTENNA

- 25x25 mm Passive Patch Antenna

DIMENSIONS

- Height of JETT with module: 11.46 in. (291 mm)
- Depth of JETT with module: 2.77 in. (70.3 mm)

WEIGHT

- Weight of JETT with module: 2.5 lbs. (1133 grams)



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