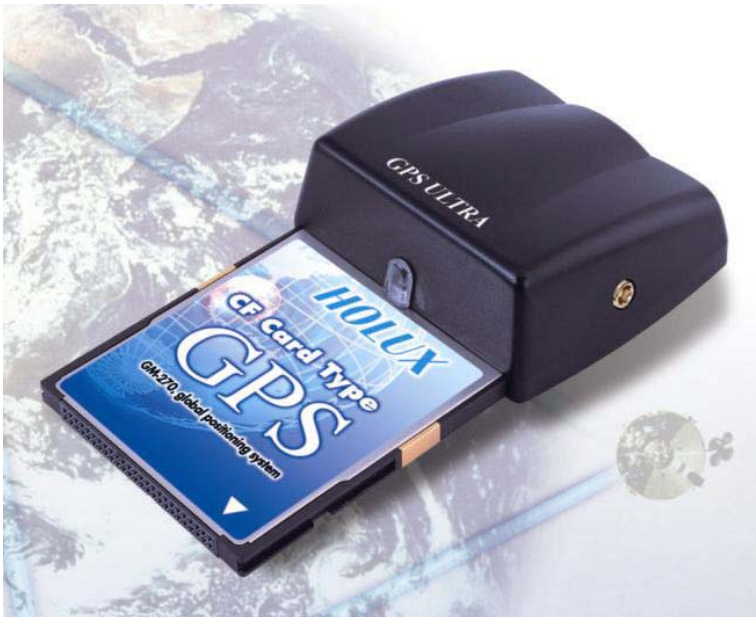
CF GPS receiver GM-270-Ultra



■ Features:

- 12 parallel satellite-tracking channels for fast acquisition and reacquisition.
- High speed signal acquisition using 1920 time/frequency search channels.
- Low power consumption with Star II / LP chipset.
- Built-in rechargeable battery for memory and RTC backup and for fast Time to First Fix(TTFF).
- Support NMEA0183 v2.2 data protocol .
- Enhanced algorithms -SnapLock and SnapStart provide superior navigation performance in urban, canyon and foliage environments.
- Support CF card type I connector suitable PDA, Hand Held PC or PC device.

Technical Specification:

- Tracks up to 12 satellites.
- Receiver: L1, C/A code
- Snap Start: <3 sec(at < 25 minutes off period).
- Update rate: 1 HZ.
- Acquisition time

  Reacquisition 0.1sec.averaged

  Hot start 8 sec., averaged

  Warm start 38 sec., averaged

  Cold start 45 sec., averaged
- Position accuracy:
  - ◆ Non DGPS (Differential GPS)

    Position 5-25 m CEP without SA

    Velocity 0.1 m/sec, without SA

    Time 1 usec sync GPS Time
- Dynamic Conditions:

  Altitude 18,000 meters (60,000 feet)max

  Velocity 515 meters / second (700 knots) max

  Acceleration 4 G, max

  Jerk 20 meters/second, max
- Antenna Type: Built in Active Antenna
- Minimum signal tracked: -175dBW
- Dimension: 91×50×20 mm
- Weight : < 50g
- LED function:

  Steady weak orange LED on
- Operation Temperature:

  -10 ℃to +70 ℃
- Store Temperature:

  -45 ℃to +85 ℃
- Operation Humidity:

  5% to 95% No condensing.
- Power consumption

  <80mA at 3.3V+/-10% input
- Protocol and interface:
  - ◆ NMEA output protocol: V.2.2

    Baud rate: 4800 bps

    Data bit: 8

    Parity: N

    Stop bit: 1

    Output format:

    Standard: GGA,GSA,GSV, RMC.
  - ◆ Interface:

    H/W: Compact Flash - CF type I

    S/W: Emulated COM Port 1-10 (Auto Select)

* The specifications are subject to be changed without notice.

* The measurement functions of this GPS CF card are not intended for use in tracking measurements that requires professional or industrial precision. Values produced by this GPS CF card should be considered as reasonable accurate representations only.