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## Module Specification

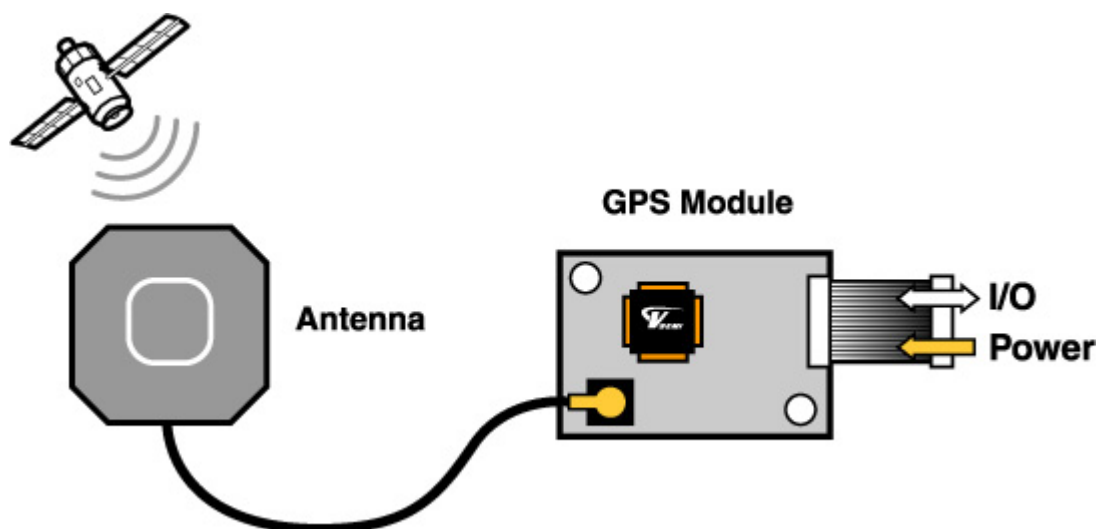
### VM7001 Module Specification

#### High Performance 16-channel GPS Receiver.

The VM7001 is a complete high performance 16-channel GPS receiver module. The compact size and low power make this module ideally suited for a variety of applications. These include navigation systems for handheld applications, marine, aeronautical, and automotive. Additionally, this module is well suited for embedded systems that have requirements for location or timing information. This versatile product has the capability to directly support either passive or active antennas.

The VM7001 module also supports all the standard navigation software features including differential corrections, all-in-view navigation, and two-satellite measurement. This module also operates on 3.3 VDC, and is fully functional in the temperature range of  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$ .

#### 16 Channel GPS Receiver



## VM7001

### GPS Reference Module

#### Features:

- 16-Channel GPS Receiver.
- All-In-View Navigation.
- Differential Corrections supported
  - RTCM SC104 R2.1.
  - DARC BTA R-003.
- 3.3 VDC Operation.
- Very low power.
- Passive or Active antenna.
- Small footprint (9.6 sq. cm)
- Wide operating temperature range.
- Designed using the Valence VS7001 Pure CMOS Front End and the Sony CXD2931R-9 Baseband chip.
- RS232C I/O eval board available (VS7001-REF4)