GPS–16-HVS GPS Receiver

Whatever your OEM application, the GARMIN GPS 16 will deliver the accuracy you need for precise position reporting. This GPS sensor has an integrated antenna housed in a rugged, waterproof design.

The **12-channel receiver** allows for continuous tracking of all visible satellites. And it's WAAS **capable**, which means it can provide position accuracy of less than 3 meters. This incredible accuracy is possible without the use of an external DGPS beacon receiver. The GPS 16 also offers excellent EMI/RFI performance for easy integration into systems that will be operated near mobile computing devices and wireless communications equipment.

- WAAS-enabled, **12 parallel channel** GPS receiver
- **GPS accuracy**- Position: <15 meters, 95% typical; Velocity: 0.1 kt RMS
- **DGPS accuracy**- Position: 3-5 meters, 95% typical; Velocity: 0.1 kt RMS
- **WAAS accuracy**- Position: <3 meters, 95% typical; Velocity: 0.1 kt RMS
- **Update rate:** 1 to 900 seconds between updates; programmable in 1 second increments
- **Map datums:** 108 predefined, 1 user
- **Serial Interface:** GPS 16 LVC: CMOS (TTL) voltage levels, RS-232 polarity GPS 16 LVS: True RS-232 levels. To connect to a PC, DB9 or DB25 serial port connector (from your electronics store) is required.
- **Cable**: foil-shielded 8 conductor, 28 AWG
- **Baud rates:** 300/600/1200/2400/4800/9600/19200
- **PPS output:** 1 Hz pulse, programmable width, 1 microsecond accuracy
- **Input voltage**- GPS 16 LVx: 3.3 to 6 v DC regulated to <100 mV ripple GPS 16 HVx: 6 to 40V DC unregulated
- **Input current** - GPS 16 LVx: 80 mA (typical) GPS 16 HVx: 100 mA @ 6v DC; 65 mA @ 12v DC; 28 mA @ 40v DC
- **Sensitivity**- -165 dBW minimum
- **Temperature range**- Operating -30 to 80C, Storage -40 to 80C
- **Physical size**- 3.88" (86mm) diameter, 1.65" (42mm) height
- **Weight**: 6.4 oz (without cable); 11.7 oz. (with 5 meter cable)
- Waterproof to IEC 529 IPX7 standards

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