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Customized GPS cable receivers for varieties of applications

Being professional and well experienced in GPS technique and applications, Navisys provides all kinds of customization services for GPS cable receivers to meet customizers' demand of versatile applications.



In addition to the basic configuration with different baud rates, NMEA sentences, Navisys could customize the firmware to support:

1. compact single sentence to provide complete information, including the odometer value for mileage application,
2. outputting last known location during GPS unfix,
3. static filtering mechanism for vehicle application to freeze the undesired jumping as the speed falls below the threshold value,
4. the elimination of the undesired drift for vehicles parking at semi-indoor or obstructed locations,
5. removal of the altitude restriction and support up to 84 Km for high-sky applications such as weather balloons, meteorological studies,
6. 10Hz and up to 20Hz update rate for high-speed applications such as racing car and aircraft,
7. magnetic variation data as useful direction information for marine application,
8. AssistNow Autonomous AGPS to achieve faster time-to-first-fix without data download over Internet,
9. the innovative precise 1PPS GPS timing via popular USB interface to provide high-accuracy timing sources for network delay tomography.



Besides, the customized cable receiver could be supported with different I/O interfaces (UART/TTL, RS-232 and USB) with variety of I/O connectors (PS/2, USB, DB-9, DB-15, DB-25, RJ-11, RJ-45, MicroFit, SM-4Y, phone jack, etc.), and up to 25 meter cable with RS-232 interface to support femtocell application. The customized cable receiver could also be used on vehicles with 12V/24V output with embedded adaptor to convert to regular 5V input.

Working in Industrial operating temperature range: -40 ~ 85°C, Navisys GPS cable receiver supports IPX7 Waterproof and its housing is built in magnet for easy mounting on the roof of vehicle. OEM customers could print their own logo on the housing.