



# Geo-PNT

## Accurate timing, position and attitude in a single box

Geo-PNT is an effective rugged and small footprint solution for PNT application. PNT stands for Position Navigation and Timing information which enable to localize physical object within 3D space and time. It combines in a single box high-performance versatile position and attitude measurement function with an accurate time distribution server. Geo-PNT unit embeds IMU quartz MEMS coupled with a GPS receiver running in autonomous or differential (RTK) mode.



Thanks to IMU and very high stability oscillator, both navigation solution and internal accurate time are kept in all typical circumstances for dynamic platform including GPS signal temporary loss. Geo-PNT is available with a L1 GPS receiver or with a L1/L2 SAASM GPS receiver.

Geo-PNT minimizes size, weight and power (SWAP) through integration of positioning and timing which are usually implemented into two separate subsystems. It is an affordable solution for embedded test bench, radar, optical, infrared, electronic warfare, satellite communication payloads where it drastically reduce implementation and operation cost.

**Key selling point(s):** Coupling of a MEMS 6D system with a GPS receiver and a OCXO or CSAC ultra-stable frequency reference

**Key market(s):** Transportation, Automotive, Aeronautic, Marine, Civil and Military

**Main customer(s):** Airbus, Dassault, DCNS, Nexeya, Nexter, Thales, Zodiac

**Systematic R&D project(s):** IPCHRONOS



Product Website:  
<http://spectracom.com/documents/geo-pnt-datasheet>



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Annual revenue: 72.6 M€

Head count: 327 employees