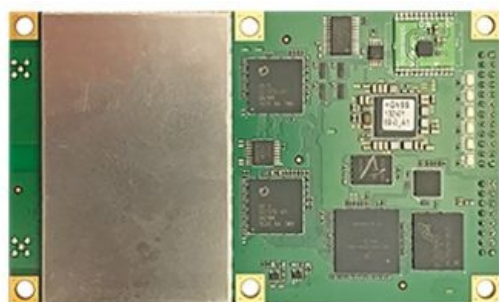


Hemisphere GNSS Announces Vector Eclipse Positioning and Heading Board



Hemisphere GNSS has announced the [Vector Eclipse H328](#), the next offering in a line of new and refreshed, low-power, high-precision, positioning and heading OEM (original equipment manufacturer) boards. The multi-frequency, multi-GNSS H328 is an all signals receiver board that includes Hemisphere's new and innovative hardware platform and integrates [Atlas GNSS Global Correction Service](#).

Designed with this new hardware platform, the overall cost, size, weight, and power consumption of the H328 are reduced. It offers true scalability with centimetre-level accuracy in either single-frequency mode or full performance multi-frequency, multi-GNSS, Atlas-capable mode that supports fast RTK initialization times over long distances. The H328 offers fast accuracy heading of better than 0.17 degrees at 0.5m antenna separation

and aiding gyroscope and tilt sensors for temporary GNSS outages. The 60mm x 100mm module with 24-pin and 16-pin headers is a drop-in upgrade for existing designs using this industry standard form factor.

The latest technology platform enables simultaneous tracking of all satellite signals including GPS, GLONASS P-code, BeiDou, Galileo, and QZSS making it robust and reliable. The updated power management system efficiently governs the processor, memory, and ASIC making it ideal for multiple integration applications. The H328 offers flexible and reliable connectivity by supporting Serial, USB (On-The-Go with future firmware upgrade), CAN, Ethernet, and SPI for ease-of-use and integration. Optional output rates of up to 50Hz are also supported.

Outstanding Capabilities

Powered by the [Athena GNSS engine](#), the H328 provides best-in-class, centimetre-level RTK. Athena excels in virtually every environment where high-accuracy GNSS receivers can be used. Tested and proven, Athena's performance with long baselines, in open-sky environments, under heavy canopy, and in geographic locations experiencing significant scintillation is nothing short of cutting edge. Together with SureFix, Hemisphere's advanced processor, the H328 delivers high-fidelity RTK quality information that results in guaranteed precision with virtually 100% reliability.

Advanced Technology Features

Integrated L-band adds support for Atlas GNSS global corrections for meter to sub decimetre-level accuracy while Tracer technology helps maintain position during correction signal outages. The H328 also uses Hemisphere's aRTK technology, powered by Atlas. This feature allows the H328 to operate with RTK accuracies when RTK corrections fail. If the H328 is Atlas-subscribed, it will continue to operate at the subscribed service level until RTK is restored.