

Atlantik Elektronik presents First SiRFstarIV Modules

Fast Fix and High Availability with SiRFaware™ on A2100 GPS Module

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Atlantik Elektronik GmbH presents the new GPS-Module based on SiRFstarIV technology.

The A2100 GPS receiver module is built around the new GSD4e chip with sophisticated firmware. The special SiRFaware™ technology allows the module to be in a state of readiness at all times thereby enabling rapid navigation for long periods.

SiRFaware™ technology is one of the highlights of the new A2100 module. It will monitor and maintain precise time, internal frequencies and satellite orbit information, all at an extremely low current draw down to 500µA.

“Thus the A2100 will be able to respond to a position request within seconds” said Ottmar Flach CEO, Atlantik Elektronik GmbH.

“Continuously reporting a fix in Advanced Trickle power mode can be achieved with a current draw of less than 6.5mA. Combining that outstanding tracking sensitivity of -163dBm and a autonomous acquisition sensitivity of -148dBm, the module is ideally suited for all GPS applications requiring low power consumption in harsh environmental conditions.”

PRESSEMITTEILUNG

In addition, the new GSD4e chip on the module supports detection and removal of up to 8 in-band jammers and allows the use of satellite-based augmentation systems.

“SiRFInstantFix™, an extended ephemeris solution, combined with SiRFaware™ help for further reduce power consumption”, said Ottmar Flach.

The module itself is offered in a 3.3V and a 1.8V variant, both flash versions allowing firmware upgrades with the 3.3V version being compatible to the popular A1084-B. The A2100 is designed to support additional sensor interfaces as well as communication via UART, SPI or I2C.

Samples and evaluation boards are available and will be presented at the Atlantik Elektronik exhibition booth, hall 12.0, booth 443, at the embedded world trade fair in Nuremberg.

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About Atlantik Elektronik GmbH

Atlantik Elektronik is a company of the Atlantik Networxx Group. The company is marketer and design-in-specialist of innovative semiconductors and semiconductor solutions, specifically for High-End-Markets, and also provides engineering solutions and production capacities to customers. Atlantik is a trendscout for new developments and new technologies. The competences and the product portfolio of the company are in the field of Embedded Microcontroller, Wireless, Connectivity, Infotainment and System Solutions.

Contact: Atlantik Elektronik GmbH • Pressoffice • Fraunhoferstr. 11a
82152 Planegg • Phone. 089 89 505-127 • Fax. 089 89 505-4127
<mailto:info@atxx.de>