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## Press Release

# **Low Cost, Low Power, High Sensitivity: u-blox launches the LEA-4A GPS Module**

For immediate release

**FOR IMMEDIATE RELEASE**



This image can be downloaded from [http://www.u-blox.com/news/lea\\_4a.jpg](http://www.u-blox.com/news/lea_4a.jpg)

### **Low Cost, Low Power, High Sensitivity: u-blox Launches the LEA-4A GPS Module**

THALWIL, Switzerland -- 12 January 2006 -- The LEA-4A, a mere 17 x 22 mm in size, is u-blox' new low-cost GPS module, featuring the recently released 16-channel ANTARIS 4 receiver technology developed jointly by Atmel and u-blox. The LEA-4A module provides high performance using 40% less power than its predecessor (the LEA-LA) and includes a USB port for flexible connectivity, high data rates and combined power and data transmission over one link.

The LEA-4A keeps power usage at exceptionally low levels thanks to the absence of a Flash EPROM, which also keeps the price tag down. Moreover, its small size makes LEA-4A modules perfectly suited for compact, battery-operated, mass market consumer products such as PDAs, smart phones, GPS mice and other portable devices where size, power consumption levels and cost are of critical importance.

"The LEA-4A provides OEMs with a low power, low cost, high sensitivity GPS receiver that ideally fits the needs of mass market products", said Andreas Thiel, VP Research and Development, GNSS Hardware. "Its small form factor and SMT pads allow for fully automatic assembly processes with standard pick-and-place equipment and reflow soldering, enabling cost-efficient, high-volume production."

Inside the module, the ANTARIS 4 GPS engine provides outstanding navigation performance in the most challenging conditions, a 4 Hz position update rate, DGPS and full SBAS (WAAS and EGNOS) support, as well as supporting active and passive antennas and offering antenna supervision that detects short circuits.

All ANTARIS 4 GPS receivers are also endowed with Assisted GPS (A-GPS) functionality, which provides instant positioning upon request, reducing Time To First Fix to as low as four seconds, and thus enabling instant signal acquisition in difficult conditions. Uses include car navigation, asset tracking and safety devices, as well as enabling access to immediate location information in difficult signal environments.

The LEA-4A is now available for ordering.

### **About u-blox**

u-blox is an international company headquartered in Switzerland, with sales organizations in the Americas, Europe and Asia. Founded in 1997, u-blox develops leading positioning technology and products based on the Global Positioning System (GPS) for the automotive and mobile communications markets. For more information, please visit [www.u-blox.com](http://www.u-blox.com).

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