GM Series GNSS Receiver Module Makes Tracking Multiple Satellite Constellations Easy

September 26, 2013 — Linx Technologies is pleased to announce its launch of the GM Series Global Navigation Satellite System (GNSS) receiver module to market. The GM Series GNSS receiver module is an autonomous, high-performance Global Satellite Navigation System receiver designed for navigation, asset tracking and positioning applications of all kinds. Based on the MediaTek chipset, it can simultaneously acquire and track several satellite constellations. These include the United States GPS system, Europe’s GALILEO, Russia’s GLONASS and Japan’s QZSS.

The GNSS receiver module provides exceptional sensitivity, even in dense foliage or urban canyons. Hybrid ephemeris prediction can be used to achieve cold start times of less than 15 seconds. By combining this feature with the module’s very low power consumption, battery life is maximized in battery-powered systems.

With an output of standard NMEA data, the GM Series receiver is completely self-contained and only requires an antenna. It powers up and outputs position data without any software set-up or configuration, making the GM Series easy to integrate, even by engineers without previous RF or GNSS experience. However, if technical support is needed, our knowledgeable team of engineers can provide guidance.

The GM Series module operates at a low 16mA tracking supply current. This is less than half the supply current of competitive modules.

In addition, the available GPS Master Development System connects a GM Series Evaluation Module to a prototyping board with a color display that shows coordinates, speedometer and compass for mobile evaluation. A USB interface allows simple viewing of satellite data and Internet mapping, as well as custom software application development.

For more information about the GM Series GNSS receiver module, call Linx at +1 800 736 6677 (+1 541 471 6256 outside the United States) or visit www.linxtechnologies.com.

About Linx Technologies
Linx Technologies makes wireless simple by developing and manufacturing wireless products that are easy for engineers of all skill levels to use. The company’s RF modules, remote controls, antennas and connectors make it easy for engineers to integrate wireless features without the hassle and expense of engineering RF functionality from scratch.

For customers who need help implementing Linx modules, Linx offers design services including board layout assistance, programming, certification advice and packaging design. For more complex solutions, Apex Wireless, a division of Linx Technologies, creates optimized designs with RF components and firmware selected for the customer’s application.