Introducing concurrent GNSS timing modules with Galileo support

New firmware for u-blox LEA-M8T and NEO-M8T multi-GNSS timing receiver modules adds support for the Galileo constellation

Thalwil – May 4, 2016 – u-blox today launched a firmware release that adds Galileo constellation support to u-blox LEA-M8T and NEO-M8T multi-GNSS (GPS/QZSS, GLONASS, BeiDou and Galileo) timing receiver modules. This release is part of the u-blox FW 3.01 family, which brings advancements in integrity, jamming and spoofing detection, as well as support for Galileo and improved BeiDou performance. Equipment manufacturers and synchronization service providers use u-blox timing modules in their high integrity precision timing systems that are used in wireless communications, broadcast, survey, and measurement applications. In particular, they are highly relevant to many elements of LTE infrastructure, including street-level base-stations, micro-wave back-haul, as well as IoT gateways.

With market-leading acquisition and tracking sensitivity, these concurrent constellation receivers extend coverage and timing integrity in challenging signal environments. The dependable phase synchronization characteristics of the modules ensure that communication networks meet regulatory and performance targets. The phase accuracy and industry-standard integrity features, such as receiver autonomous integrity monitoring (RAIM), make the LEA-M8T and NEO-M8T trusted products in a broad range of GNSS signal environments.

The modules also feature low duty cycle operation for extended time maintenance as needed for remotely located battery-powered sensors and for aided weak-signal and single-SV acquisition for operation in extreme conditions.

The LEA-M8T and NEO-M8T are backward compatible with u-blox LEA-5T, LEA-6T and NEO-6T modules.

The LEA-M8T and NEO-M8T will be available as engineering samples in May 2016 and in volumes in Q3 2016.

For further information please refer to the https://www.u-blox.com/en/product/neolea-m8t or contact your local u-blox sales office: https://www.u-blox.com/en/about-us/sales-network-offices