

PRESS RELEASE

nanoLOX - The world-first dual mode location device. Precise location for any WiFi device.

Berlin, February 24, 2016 – nanotron Technologies, the leader in easy-to-use solutions for location-awareness announces its third generation location chip nanoLOX at Embedded World 2016 in Nuremberg, Germany today.

The nanoLOX chip is the world-first dual mode location device for precise Chirp and WiFi Time-of-Arrival (TOA) detection. “Its ability to locate any WiFi device, such as smart phones or tablets, brings precise location to shopping malls, airports and other public places.” emphasizes Jens Albers, CEO of nanotron Technologies and continues “Highly accurate location with Chirp technology – the second radio option – improves safety and increases productivity in harsh industrial environments.”

The new device allows for precise high-throughput real-time location and concurrent data communication. Its Digital Channel Impulse Response (CIR) function mitigates multipath reception for optimum location results.

nanoLOX targets the market for autonomous smart items. Its WiFi capabilities provide very precise location information from WiFi enabled devices such as smart phones and tablet computer. Furthermore this technology is going to accelerate the trend to “bring-your-own-device (BYOD)” as a means to cost-reduce applications like access-control or indoor-navigation.

The robust Chirp radio technology with long range as well as its precise high-throughput real-time location and concurrent data communication capabilities specifically supports harsh industrial environments. Generic applications for location-awareness include presence, proximity, zoning and localization.

“We start nanoLOX-based design-ins with customers now with volume available in about 12 months.” explains Rainer Hach, CTO of nanotron Technologies and adds “In parallel we are going to utilize the chip’s higher resolution, larger data throughput and lower power consumption to create new smart item products such as next generation *swarm* bee modules.”

With the new nanoLOX product nanotron’s customers have now the choice between Chirp, WiFi and UWB for their location-aware applications.



Caption: Rainer Hach, CTO of nanotron Technologies

About the *swarm* product family

Nanotron's swarm product family consists of swarm bee modules and the swarm location service (SLS) software. Swarm bee modules are available with Chirp or UWB radio technology. Both versions are sharing the common swarm API. The swarm product family targets the growing market for autonomous smart items and cuts time to market for location-aware products by 12 months. Very precise low-cost location technology can now be used without the need for RF-design capabilities or expertise on low level device drivers. Developers focus on application design.

About nanotron Technologies

Today nanotron's *embedded location platform* delivers location-awareness for safety and productivity solutions across industrial and consumer markets. The platform consists of chips, modules and software that enable precise real-time positioning and concurrent wireless communication. The ubiquitous proliferation of interoperable location platforms is creating the location-aware Internet of Things. More information on www.nanotron.com. Follow nanotron Technologies on [LinkedIn](#).

Press Contact:

Thomas Foerste
T +49 30 399 954-0
Email t.foerste@nanotron.com