

PRESS RELEASE

Nanotron starts shipping UWB Development Kit

swarm bee ER DK+ kit takes the pain out of UWB product development

Berlin, June 13, 2016 – nanotron Technologies, the leader in easy-to-use solutions for location-awareness today announced delivery of the first units of its *swarm* bee ER Development Kit Plus (DK+) featuring the new *swarm* bee ER location-aware radio module. The suffix 'ER' stands for 'Enhanced Resolution' since the new module boasts 10 cm accuracy delivered using ultra-wide band (UWB) technology.

“The UWB module and the associated development kit will help ALL Decawave customers cutting time-to-market for their end-products by at least 12 months” commented Thomas Foerste, VP Sales and Marketing at nanotron. “3-7GHz RF expertise and low-level coding capabilities are no longer necessary for UWB solution development”.

The new *swarm* bee ER module features the standard *swarm* API – the common high-level software interface – is cutting development time and allows customers to easily migrate existing applications from the *swarm* bee LE Chirp module to UWB and vice-versa depending on the use-case requirements. Chirp radio technology supports long-range applications of several hundred meters with precision requirements of 1 meter while UWB technology allows for 10 cm precision in closer proximity of up to twenty meters.

The new *swarm* bee ER DK+ provides a proven software and hardware platform for application development and comprises of three DK+ boards, *swarm* PC tools, and a comprehensive data package to facilitate easy and rapid development of location-aware applications. Customers benefit from several *swarm* tools including a *node configuration device* (NCD) boosting productivity if large numbers of radio nodes require configuration as part of network maintenance. Additional development boards could be purchased separately if customers want to evaluate larger location-aware networks.

Both the *swarm* bee ER UWB module and the *swarm* bee ER DK+ UWB development kit start shipping in volume now.



Caption: The new *swarm* bee ER Development Kit+ is taking the pain out of UWB product development.

About the *swarm* product family

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](#).

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