

## Press Release

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### **Terasic and WinZent launch world-first instant boot platform**

**Stockholm, December 29<sup>th</sup> 2014:** WinZent Technologies AB and Terasic Technologies Inc. today announced the world's first commercially available instant boot platform, an FPGA development kit for Internet of Things devices. The solution is based on Terasic's DE2i-150 development kit and WinZent's wION (Instant ON) legacy BIOS.

The DE2i-150 is a groundbreaking embedded platform that combines an Intel embedded N2600 processor with the flexibility of an Altera Cyclone IV GX FPGA. It is a full-featured computer system that fuses together the world of high performance processing and unbelievably high configurability.

"Because of the complexity of the DE2i-150, it is especially challenging for a BIOS to initialize all its hardware in less than a second" says Fredrik Hånell, CEO of WinZent Technologies AB. "The unprecedented versatility of the DE2i-150 makes it a perfect reference for the capabilities of our groundbreaking wION BIOS solution."

WinZent's wION BIOS combines the benefits of a legacy BIOS with an integrated real time operating system, generally used for system management tools and customized BIOS-intrinsic applications. It initiates the hardware in less than a second and boots all operating systems, from MS DOS to Linux and Windows. For security reasons, in order to preserve system autonomy, wION does not require access to the system hard drive file system. wION provides the DE2i-150 with stability and boot speed which are independent of the board's configuration, making the solution a powerful and stable hardware-software co-development platform.

"Since we first tested WinZent's wION BIOS a year ago, we have cooperated with WinZent's team to provide a leading edge firmware solution for our Intel-based flagship product" says David Wei, Sr. Project Manager at Terasic. "The simplicity of the BIOS solution they have achieved is simply stunning".

#### **About WinZent Technologies AB**

WinZent Technologies AB develops and markets the world's fastest and most compact core software for embedded systems. The main products are wIOS (WinZent Instant OS), a real time operating system, and wION (WinZent Instant ON), a BIOS. WinZent was founded in 2013. WinZent Technologies AB is headquartered in Stockholm, Sweden.

#### **About Terasic Technologies Inc.**

Terasic was founded in early 2000 with the major goal of developing world class FPGA development platforms. The headquarter office is located in Hsin Chu, Taiwan which is also known as the Silicon Valley of Asia. A branch office is established in Wuhan, China as well. Terasic offers expertise in the FPGA/ASIC Design, high speed board design and layout, low cost board design, and all others that can tailor to their customers' need for FPGA-based solutions. Terasic's cutting edge design and manufacturing capabilities provide the state-of-the-art products and exceptional services to their customers.