Wind River & Leadcore develop Android SoC

Wind River and Leadcore Technology announced that they have collaborated to develop a new Android system-on-chip (SoC) smartphone platform. Leadcore also implemented Wind River's testing software to test the smartphone platform for software quality, performance and compliance with the Android Compatibility Test Suite (CTS).

China-based Leadcore, a leading solution provider of TD-SCDMA mobile phone and mobile terminals has offered its new ARM9-based SoC platform and will launch its Cortex-A9 vision later this year, aimed to further drive the adoption of low-cost Android smartphones in regional markets. Lending its extensive Android expertise and services, Wind River worked with Leadcore from the ground up to port and enable Android on Leadcore's SoC platform, overcome technical challenges around performance optimization, and customize Android to take advantage of Leadcore's specific SoC capabilities.

"Wind River can help customers enter desirable regional markets quickly with high-quality Android devices certified on local operator networks," said Jerry Ashford, vice president and general manager of mobile solutions at Wind River. "Wind River provides a reliable commercial-quality Android platform that allows customers to tackle complex and expensive engineering obstacles such as integration and testing to meet tight deadlines and stay on budget."

"In these two years, Leadcore has made a focused effort on Android smartphone solutions for TD/GGE multi-mode. We were in search of a trusted partner with Android experience who could help us navigate through the complexities of Android development and testing, including Android compliance," said Sun Yuwang, president of Leadcore. "Wind River has the proven Android expertise and deep knowledge of Chinese operator requirements. Being able to leverage the combination of both was essential for our success."

Enabling Android on a new SoC is often a challenging process since the engineering team must determine how to test a system before it is actually functional. By taking advantage of the hardware abstraction layer test suite within Wind River Framework for Automated Software Testing (FAST), Leadcore was able to focus on low-level software development and board support package hardening. By using Wind River FAST, Leadcore streamlined its software testing process using a layered approach. Wind River FAST helps validate software quality on other layers and executes automated application-driven stress tests and performance tests. Also, for easy access and reporting of test results, Wind River FAST for Android automates thousands of heterogeneous tests and consolidates the results into a single uniform database. Wind River FAST for Android is a comprehensive automated software testing solution for Android-based devices. Throughout the entire process, Wind River provided Leadcore with its world-class support and services.

Additional information about Wind River's Android solutions is available at http://www.windriver.com/solutions/mobile-devices/android.html [1].

To learn more about Leadcore, please visit www.leadcoretech.com [2].

To learn more about Wind River, visit www.windriver.com [3] or www.facebook.com/WindRiverSystems [4].

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