eSOL's eT-Kernel Real-Time OS Platform Now Available for Renesas' RZ/A MPU Series

Ensures Fast Real-Time Capabilities and High System Reliability

Tokyo, Japan, June 20, 2013 – eSOL, a leading developer of real-time embedded software solutions, today announced that the eT-Kernel Real-Time OS Platform now supports Renesas' ARM® Cortex™-A9-based RZ/A series microprocessor units (MPU). The RZ/A series MPUs combine ARM cores with Renesas' unique technologies to offer high performance and low power consumption. The eT-Kernel Platform has enabled software developers to add real-time capabilities and high reliability to the RZ/A series MPU-based systems more rapidly and at lower cost across automotive, factory automation (FA), industrial, and consumer device applications.

RZ/A series MPUs are equipped with advanced graphic features including support for high-resolution WXGA (1280x768) wide-screen displays and a 2D graphic accelerator to offer easily-built rich human-machine interfaces (HMI). They are ideal for graphic display applications from in-vehicle infotainment (IVI) devices, display panels for FA and industrial use, and surveillance cameras to audio devices with visual displays. The integrated large-capacity internal RAM enables high-speed memory access and reduces system cost while the integrated ARM Cortex-A9 core provides high performance with low power consumption.

The eT-Kernel Platform integrates the eT-Kernel real-time OS with eBinder Integrated Development Environment (IDE), middleware components including graphics, file

systems, network protocols, USB stacks, and professional services. The eT-Kernel consists of three scalable profiles to choose from depending on system size and purpose, including the small-footprint eT-Kernel/Compact and eT-Kernel/POSIX with high Linux compatibility. Developers can easily reuse Linux software assets on eT-Kernel Platform and develop their systems efficiently by leveraging the eBinder IDE tool set.

Besides the RZ/A MPU series, eT-Kernel Platform supports Renesas' other CPUs including the R-Car series, R-Mobile series, and SuperH family. eSOL is a member of the SoC Partner Program, the R-Car Consortium, and the R-Mobile Consortium hosted by Renesas. eSOL is committed to providing strong support to RZ/A-based software developers based on its years of close partnership with Renesas.

"Recent information devices with a display require higher performance and lower power consumption," said Hiroaki Kamikura, General Manager of the Embedded Products Division, eSOL. "HMI-focused RZ/A series MPUs can meet such requirements by integrating the ARM Cortex-A9 core and Renesas' unique technologies. Their large-capacity internal RAM also yields advantages of high-speed memory access and reduction of component counts. We will strongly backup the RZ-A-based system developers by providing the eT-Kernel Platform to ensure fast real-time response and high reliability, which has a proven track record in a wide range of applications including in-vehicle infotainment and industrial systems."

About eSOL

eSOL is a leading embedded software developer that enables customers to accelerate

the development of applications based on high-end embedded processors, including multi-core. eSOL's advanced, scalable, and multi-profiled real-time operating systems are tightly integrated with development tools and middleware components to create flexible development platforms used by OEMs and ODMs worldwide in competitive vertical markets such as automotive, consumer electronics, industrial and medical equipment, and aerospace. Founded in 1975, eSOL is based in Tokyo, Japan.

For more information, please visit http://www.esol.com/