

Successful Development of Next-Generation Real-Time OS “ μ T-Kernel”

—Completion of Scalable T-Kernel family which is Compatible with
Small-scale Microcomputers of 8bit and 16bit Classes
as well as with Large-scale Multi-Core Multi-Processors.—

T-Engine Forum, which standardizes and promotes ubiquitous computing infrastructure technology (Location: Shinagawa Ward, Tokyo; Chair: Ken Sakamura, Professor at the University of Tokyo/ Number of members: 492) has succeeded in the development of “ μ T-Kernel” which runs on small-scale microcomputers of 8-bit and 16-bit classes.

T-Engine Forum has been developing and releasing the OS “T-Kernel Family” which runs on high performance CPUs. . This T-Kernel family includes T-Kernel and T-Kernel Standard/Extension, which are to be used for 32 bits and 64 bits sophisticated embedded equipment requiring a GUI and network support, and MP T-Kernel, which runs on multi-cores/multi-processors that are expected to be used widely for larger applications.

This newly-developed μ T-Kernel is to be used abundantly in a broad range of embedded equipment including household appliances such as TV, telephone, air conditioners and vehicle applications such as automobile meters. As the portability of middleware is extremely high among T-Kernel Families, the efficiency of the development for embedded systems can be enhanced significantly. Also, they are designed with scalability in mind, and so they can be applied to the development of various embedded equipment from the small-scale to the large-scale. With the launch of μ T-Kernel, further enhancement of the development efficiency of embedded equipment is expected.

Using μ T-Kernel developed by T-Engine as a reference, the major semiconductor vendors in Japan including Fujitsu Limited (Headquarters: Minato-ku, Tokyo, President: Hiroaki Kurokawa), NEC Electronics Corporation (Headquarters: Kawasaki-City, Kanagawa, President & CEO: Toshio Nakajima) and Renesas Technology Corp. (Headquarters: Chiyoda-ku, Tokyo, President & CEO: Satoru Ito) have developed or are developing μ T-Kernel specification OS which run on CPU of each company.

This μ T-Kernel will be shown at “Next-Generation Real-Time System Technology Exhibition” of TRONSHOW2007 to be held at Tokyo International Forum from December 5 (Tue) to 7 (Thu), 2006.