

To the Press

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YRP Ubiquitous Networking Laboratory

Development of LSI for nT-Engine Succeeds

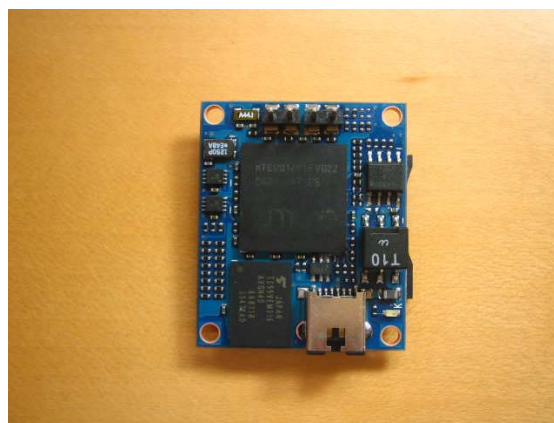
The YRP Ubiquitous Networking Laboratory (Director: Professor Ken Sakamura of The University of Tokyo) successfully developed LSI for nT-Engine (nano T-Engine), which is a module to control sensors and various devices via a network in a ubiquitous environment.

UNP (Ubiquitous Network Protocol) - a light/secure/sophisticated network protocol (a set of communication rules) appropriated for controlling devices – was newly developed and implemented in this nT-Engine.

nT-Engine is a small network node that controls sensors and various devices via a network in a ubiquitous environment. It will target at real time networks of control system in which a relatively small amount of real time data flows, such as home control, building management, factory management and in-vehicle networks.

To support these targets, protocols in the data link layer to application layer were newly developed for the UNP.

This time, nine types of hardware (application board and others) were developed along with this LSI for nT-Engine. The result of this development can be experienced at the TRONSHOW 2005 that started from December 7th.



Inquiries from the Press regarding this issue

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A part of the research result of "Research and development of basic network protocols to realize ubiquitous computing environments," conducted by the National Institute of Information and Communications Technology, (NICT) was used for this research.