MB86C61/60A, the ultrahigh-speed security processor jointly developed by FUJITSU LSI SOLUTIONS and FUJITSU MICROELECTRONICS, has received the second prize in the “Sixteenth Semiconductor of the Year Award for 2009.”

MB86C61/60A is a security processor that conducts encoding processes such as IPsec by connecting to the Ethernet. It has enabled extremely high processing efficiency as its architecture is optimized for packet processing and its bidirectional 1Gbps full-wire IPsec processing performance is better than those of gigahertz-class high-end processors at a low operating frequency of 150MHz with low power consumption of approximately 600mW.

In the “Semiconductor of the Year Award for 2009,” this product received a high evaluation for fulfilling the demands of the generation by delivering network security with high reliability, high performance, and low power consumption to the current society, where environment and security are keywords.

In recent years, we have prepared an environment that allows more customers to use our products by supporting Safenet’s QuickSec, a globally popular IPsec security platform.

This device contributes to the corporate policy of the Fujitsu Way, “the creation of a comfortable and dependable network society,” by realizing network security with high reliability, high performance, and low power consumption for the society of the future, in which various devices will be connected to the IP (Internet Protocol) network.

Receipt of the award

The “Semiconductor of the Year Award” was called the “LSI of the Year Award” up until last year and awards were given for each device genre and design environment/development tool genre. This year, the name of the award was changed and it is now a genre-free award for all semiconductor-related products. Our MB86C61/60A was the only pure logic LSI that received an award this year. As a developer of the product, I was greatly honored and pleased that we were able to present planning and design capabilities that merited FUJITSU MICROELECTRONICS Group’s receipt of this award.

We cannot thank the Network Services Business Unit of FUJITSU LIMITED enough for adopting the product at an early stage. We are also immensely grateful to Zuken Elmic, Inc. for kindly providing us with the materials to apply for the award.

This prize was the result of all who were involved in the development of this product, including the planning, development, sales and end-users. Please accept our sincere thanks.

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