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Development of technology enabling connection of function-specific compact modules for simple configuration of embedded controllers

Exterior image of the prototype embedded controller



The Hitachi Research Laboratory of Hitachi, Ltd., (General Manager: Shigeru AZUHATA) in cooperation with Hitachi Industrial Equipment Systems Co., Ltd. (President & Director: Kiyohiko SHIIKI) have developed technology to create an embedded controller by simply connecting only the required compact modules of individual computer functions. Embedded controllers are computers which manage, remote monitor and control various types of data such as temperature, illumination, vibration, etc. obtained from equipment such as sensors, lighting, air-conditioning, which are connected to an information communication network. By employing this technology to create embedded controllers, monitor control or traceability systems based on the Internet can be easily configured. Hitachi and Hitachi Industrial Equipment Systems will continue development of the Ubiquitous Controller™ using this technology, with a target date of Spring 2007 for product release, as well as research on new modules for SensorNet and RFID reader/writers. UbiquitousController is a registered trademark of Hitachi Industrial Equipment Systems Co., Ltd.