

Portable RFID reader in a Wristwatch

July 14 2004

During Embedded Systems Expo and Conference held at Tokyo Big Sight, Professor Ken Sakamura of the University of Tokyo unveiled the "UC-Watch," a radio frequency identification (RFID) reader developed by the YRP Ubiquitous Networking Laboratory that Sakamura directs.

The UC-Watch is based on "u (micro) UC," the portable RFID reader function set that the lab has specified on its own. Now it is possible to produce UC pendants and UC badges.

The UC-Watch features a function to read data based on "ucode," an RFID numbering system that the Ubiquitous ID Center standardized. Scanned data is transmitted through weak radio waves. It also complies with the security specifications "eTRON" by the TRON project hosted by Sakamura.

The watch has a screen of 120 x 160 dots. The time and date each are displayed as a clock function, and background images and menus can be changed. It weighs around 100g without batteries. The company is working on reducing the weight.

Source: neasia.nikkeibp.com/

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