Ew-206 Ambient Electronics

SAKURAI LAB.

[Ambient Electronics]

Department of Informatics and Electronics

http://lowpower.iis.u-tokyo.ac.jp

Integrated Circuits and Systems Design

Department of Electrical Engineering and Information Systems

Ambient Electronics

Flexible, large-area, and distributed organic electronics Low-voltage (0.5V) and extremely low-power LSI's









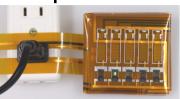
e-skin

Scanner Braille display Com Wireless power

Communication







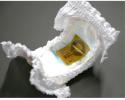
measurement

User customizable logic paper

100-V AC energy meter





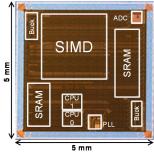


Insole pedometer

Electromyogram

Wet sensor

Fig. 1 Flexible and large-area organic electronics



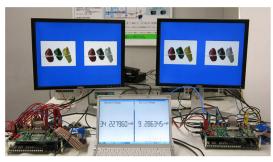


Fig. 2 0.6V operation of 320-parallel SIMD processor. Die photo (left) and demonstration (right).