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Monitoring system of wireless sensor network based on 6LoWPAN

The communications technology development greatly promotes growing of Internet of Things based on wireless sensor network, which is provided with the characteristics of low cost, low power consumption and self-organization. On the basis of detailed introduction of 6LoWPAN (IPv6 low power wireless personal area network), ATmega128RFA1 is used as the hardware core of sensor node and the combination of IPv6 and the wireless sensor node is realized with Contiki-OS operation system and the solution of low power is also implemented with battery supply. At the same time, all sensor data is showed by developed monitoring software.

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