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Abstract:

This paper aims at providing a communication architecture in order to enable the integration of traditional Wireless Sensor Networks into the Internet of Things paradigm. We focus especially on a communication protocol for providing connectivity between the smart objects and a central IoT hub. From the implementation and testing of the proposed IoT protocol, we measured the smallest memory footprint, which demonstrates that such a protocol may be easily integrated into smart objects represented by small embedded systems low on hardware resources.

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