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Yet Another Ultralightweight Authentication Protocol that is Broken

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Abstract: Eghdamian and Samsudin published at ICIEIS 2011 an ultralightweight mutual authentication protocol that requires few bitwise operations. The simplicity of the design makes the protocol very suitable to low-cost RFID tags. However, we demonstrate in this paper that the long-term key shared by the reader and the tag can be recovered by an adversary with a few eavesdropped sessions only.

Category / Keywords: cryptographic protocols / Authentication, Ultralightweight protocol, RFID

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