

# Information Security Implications of Smart Urban Areas

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## Abstract

The purpose of this paper is to provide an overview and raise awareness with regards to the security implications of smart cities. With the advent of “Internet of Things” (IoT) applied to large urban areas, several information security risks evolved. The research was driven by a session of tests carried out on a development board intended for designing and building small IoT projects to study hardware and software limitations. Through the following paragraphs the authors also emphasize the importance of data privacy and protection. The end goal of the paper is to bring attention to the need for security guidelines and compliance standards for mitigating the security risks of smart cities in the context of the new types of vulnerabilities discovered within the emerging embedded architectures.

**Keywords:** Security, Information, IoT, Data Privacy, Data Protection, Information Security, Smart Cities, Internet of Things

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