

## ANNOTATION

The amount of work: 100; number of pictures 23; number of bibliographic items on the list links 20.

The purpose of this work is to provide information security of the Internet things to protect data from possible stimuli by choosing the optimal algorithm of methods of protection. The purpose of this analysis is to create an algorithm for security. Practical tasks solved in the project: analysis of the work of IOT, its architectures, topologies and protocols; review of systems for the practical application of IOT; feasibility of possible threats, as an example of a "smart home"; consideration of ways to protect IOT; development of algorithm on the basis of existing and own methods of providing IT security information in order to ensure the continuity of networks operation.

**Keywords:** Internet of things, ZigBee technology, Z-wave, IEEE 802.15.4 standard, authentication, IOT security.