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# Methods of designing the hardware, reducing the risk of theft involving implementation details

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*The article considers the approaches that are used to prevent criminals from stealing the features of the hardware. The mechanisms of this kind of counter attacks, such as mechanisms to ensure the security of tamper mechanisms to provide evidence on hacking, the mechanisms that signal on hacking mechanisms countermeasures taken upon detection of a burglary attempt. Considered a promising method for the use of "vanishing" of electronics, which is an example of a mechanism to ensure protection against unauthorized opening. Such electronic programmable devices are able to quickly self-destruct, according to the given conditions. One of the most significant advantages of "vanishing" Electronics recycling is an opportunity for a much quicker to decompose compared with traditional electronics and less litter and pollute the environment. We consider the situation concerning the topic, Russia and the United States.*

**Keywords:** hardware, information security, «disappearing electronics», attacks on hardware.

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