

Annotation

This diploma paper examines the development of data collection and accounting system, security control devices, and the history of creation and development of micro-computers. The object of the research of Raspberry Pi board was studied. The equipment for development was chosen. On the basis of the comparative analysis the choice for the decision of a task in question is proved. The paper shows the solution of the problem by configuring the device as an access point, which creates a network for connecting and reading data. The following programming environments were used in the process: Linux command line, C++, html, java-script.