

Annotation

Machine communications are becoming an integral part of the modern world, their development is going on in all areas of human life. One of such promising areas is - M2M / IoT.

That is why this dissertation is devoted to the study of various data transfer technologies for the deployment of M2M / IoT.

The main goal of the work is to develop a simulation model of the NB-IoT protocol to assess its throughput.

During the research, as a basis, I chose LTE as the most optimal and promising technology for deploying IoT, calculated the range of the IoT network with various input parameters, created a simulation model and wrote program code.