

Annotation

The master's dissertation is devoted to the development of a computerized system for monitoring the state of the devices of a digital home.

The computer system should provide:

- 1) monitoring of the efficiency of measurement channels (sensors, ADC, MP, COMPUTER);
- 2) control of the efficiency of control channels of performing devices (computers, DACs, devices);
- 3) control of information processing (computer, MP);
- 4) control and monitoring of comfortable conditions in a digital home.

The main focus is on the choice of devices for data acquisition channels, the construction of interface connectivity for wired and wireless communication options. The issue of supply of separate devices and the system as a whole is considered. Showing variants of testing of devices of a computer system are shown.

Keywords: measuring channels, monitoring of sensors state, digital house.