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Wi-Fi technology

Before we talk about household appliances with Wi-Fi, let's recall what Wi-Fi is. Brief historical background. Wi-Fi technology was created in 1991, in the Netherlands, by NCR Corporation AT&T. The IEEE 802.11 wireless data standard, which still remains the main Wi-Fi platform. The first products based on IEEE 802.11 were introduced to the market under the WaveLAN (WLAN) brand and provided data transfer rates from 1 to 2 Mbit / s. The modern version of the standard - 802.11n - is capable of providing speeds of more than 200 Mbps. The most current standard for the near future is IEEE 802.11ac. The data transfer rate when using it can reach several gigabits per second.

Computers and smartphones are not the only electronic devices that use modern Internet technologies, in particular Wi-Fi. Currently, there are more and more Wi-Fi-compatible household appliances, gadgets and other devices that can be controlled via the Internet. Using wi-fi, the user can control home appliances at any distance from the apartment.

Washer

By operating the washing machine using a smartphone, you can not only turn the equipment on and off, but also completely control the washing and spinning process, receive notifications of completion of work. At the same time, the machine is able to "remember" the most frequent operating modes and use them according to the principle of the Favorites tab on a personal computer. Choosing the "Gardening" mode, you can eliminate traces of soil and grass from the clothes of inveterate gardeners, and the "Kitchen" mode removes food stains, traces of fat and other traditional pollution.

Oven

Using remote access technology for the oven, a person will not only receive information about all processes, but will also be able to fully control them and make the necessary changes. Recent models support automatic settings for certain dishes, operating on the principle of a multicooker. Thus, the only thing that really can not be done with a smartphone is to pull out and serve the finished dish.

Refrigerator

Smart refrigerators maintain optimal temperature for long-term storage and inform the owner that this or that product will end soon. The user chooses food products that the refrigerator will monitor. He can also calculate the most energy-efficient work schedule and consume less electricity at this time. Refrigerators have a self-diagnosis function, thanks to which they can report a breakdown code to service center representatives.

Slow cooker

Compact kitchen assistants were previously very independent, preparing tasty and healthy dishes with little or no human involvement, but Wi-Fi technology makes them even more "intelligent". Now the hostess is not obliged to monitor the temperature regimes and the timer - all she needs to do is send the desired recipe, after which the multicooker will start working.

Robot vacuum cleaner

The robot is launched and controlled from a smartphone, i.e. from any point of the house, he vacuums himself, cleans the containers from the collected garbage himself, and even charges himself. You can also set a cleaning program and get a report on the work done through a smartphone.