Abstract

Bluetooth Low Energy (BLE) is a wireless technology with low power that is designed to be embedded into a number of devices to monitor their applications. It is considered as power friendly where it enables devices to consume less power while running on a long period of time. The most interesting thing with BLE is its capability to work on applications already installed on smartphones and tablets without any difficulty. This capability will provide developers with a proper solution to enable the technology on billions of devices which are already on the market. This paper describes the concept of BLE technology, its architecture and the used applications. The established security structure on BLE is also described to show BLE performance on devices.
Index Terms

Computer Science  Security

Keywords

Bluetooth Low Energy, architecture, security