

Increasing communication security for Bluetooth Medical Devices in eHealth systems

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The market of Medical Devices have a compound annual growth rate perspective of 5.4% in the period 2022 - 2028. The growth rate is mainly supported by the increased usage of devices for chronic diseases prevention and for remote patients monitoring. The growth rate is also supported by the population's appetite for mobile devices. The continuously growing number of mobile devices has led to an increase in the number of cyber attacks against them. In this paper we present Personal Medical Hub, an optimized security solution for Bluetooth enabled medical devices, that enhances data privacy and is aimed to protect from man-in-the-middle attacks and other security breaches and backdoors.

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