

Abstract: Overclocking Technique to Improve the Speed of an Android Phone

Bok-Gyu Joo, Wook-Rae Cho, Robert Youngchul Kim
Dept. of Computer and Information Communications
Hongik University Sejong Campus 339-701, Korea
bkjoo@hongik.ac.kr, Doromonk@naver.com, bob@hongik.ac.kr

Abstract

Nowadays, mobile phones are an indispensable tool for everyday life. They are becoming ever smarter by adapting advanced digital technology, more so than for personal computers. Smartphone enthusiasts are eager to improve the performance of their devices. In this paper we present a simple but effective technique to improve the speed of an Android phone. This method involves rooting and overclocking a smartphone device using inexpensive software tools readily available in the market. Experimental procedures and results, along with performance measurements are provided. We performed experiments on a new Samsung Android phone and the results showed significant gains in speed, as well as continued reliable functioning of the device with only slight increase in temperature.

Acknowledgement

This work was supported by the 2011 Hongik University Research Fund.