

USB Hardware Key for Anti-Piracy Protection of Applications

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Abstract

The rich variety of applications under development today require new, state of the art, anti-piracy protection in order to cope with the growing threat of piracy. Hardware Key based protection is known to be one of the most efficient on the market, and has been implemented in many applications. This paper describes a possible approach in creating and using a Hardware Key, by combining one-dimensional Chaotic Map encryption with sector level read/writes and monitoring USB add/remove events in Windows. The software to be presented has been implemented in Visual C++, using Microsoft Visual Studio Express Edition 2008.