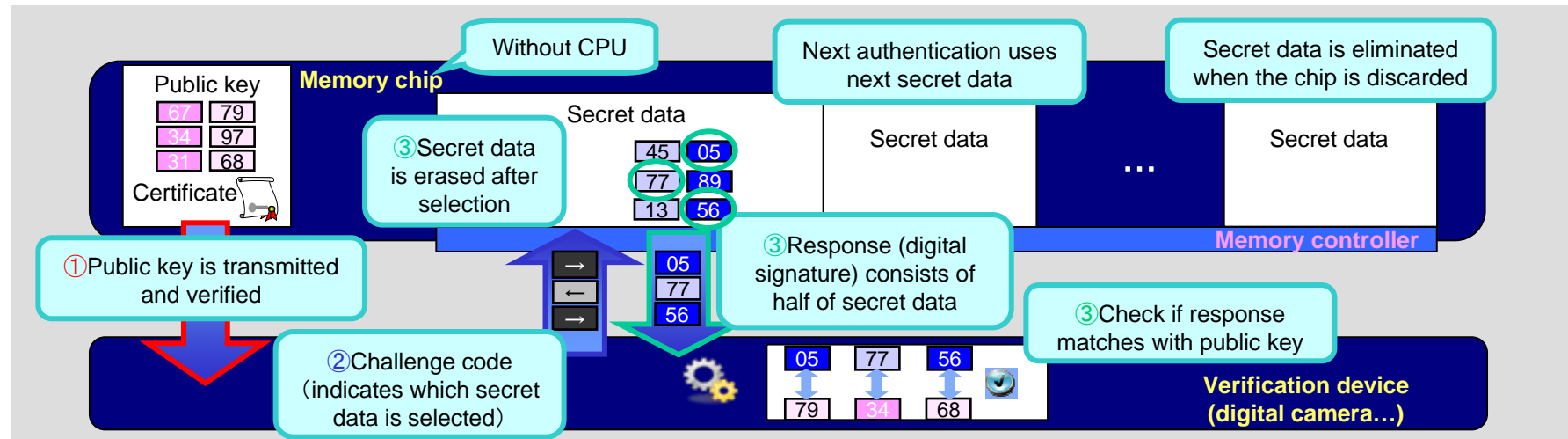


2008/9/22 Release <http://www.hitachi.com/New/cnews/080922a.html>

Hitachi unveils digital signatures on stand-alone memory chips

- Anti-counterfeiting functionalities made available on memory chips without microprocessor such as memory cards, tickets or cartridges -



Hitachi, Ltd. has developed a mechanism for attesting the authenticity of memory chips using highly secure digital signatures in a worldwide breakthrough. Since the mechanism requires neither a CPU nor a computational unit, high security can be attained at a very low cost. As a result, counterfeited or altered memory devices can be recognized as such, with a wide range of applications, including memory cards for digital cameras or handheld video game consoles, cartridges for consumer products, admission tickets or gift coupons.

The result will be announced at the 9th International Workshop on Information Security Applications (WISA 2008) to be held from 23rd to 25th September 2008 on Jeju Island, Korea, and at the Second Workshop on Post-Quantum Cryptography (PQCrypto 2008) to be held from 17th to 19th October, in Cincinnati, Ohio, USA.