

ABSTRACT

SECURE MEMORY CARD AND CONTROL METHOD THEREOF

A secure memory card includes a non-volatile memory device for storing data, which includes a specific address and a regular address different from the first specific address; a secure element for conducting a securing operation; and a non-volatile memory controller in communication with the non-volatile memory device and the secure element, adapted to receive a command from a host. The non-volatile memory controller interacts with the secure element to conduct the securing operation in response to the command from the host if the command from the host is secure-element control command. The secure-element control command is a single command taking a single instruction cycle and corresponds to the specific address. The non-volatile memory controller interacts with the non-volatile memory device while having no interaction with the secure element in response to the command from the host if the command from the host is a non-secure-element control command corresponding to the regular address.

[Fig 2]