ABSTRACT

Disclosed are a method for information security equipment to realize multiple applications, and information security equipment and system. The method comprises: a terminal compiling and converting written application programs to obtain intermediate code files (101); the terminal performing security verification on the intermediate code files (102), and saving the intermediate code files passing the security verification (103); the terminal receiving an application program download request sent by the information security equipment (104), and obtaining the intermediate code files of at least two application programs requested to be downloaded, according to the download request (105); the terminal sending the intermediate code files of the at least two application programs to the information security equipment (106); the information security equipment receiving and saving the intermediate code files of the at least two application programs (107); the information security equipment receiving a first execution command (108); and an intermediate code interpreter on the information security equipment executing the intermediate code files of the application programs designated by the first execution instruction, wherein the intermediate code files are used for calling an API (Application Program Interface) of the information security equipment to control the hardware of the information security equipment (109).