

ARCHITECTURE FOR A UNIVERSAL SERIAL BUS-BASED PC FLASH DISKABSTRACT

A storage unit made of a flash array (58) and a Universal Serial Bus (USB) controller (56) is implemented to be compatible with the USB specification. The unit (46) includes memory modules (58) which can accept write commands and read commands from a host (44), and are erasable and non-volatile, referred to as flash modules (58). The USB/flash controller (56) is configured to provide USB functionality and compatibility along with common flash operations such as programming, reading, and erasing the flash modules (58).

Figure 5