

## operation description

### Target

- a) USB device and Apple accessory device
- b) support for the T0/T1 cards complied with ISO7816 specifications, and card working voltage of 5V,3V,1.8V
- c) support for Apple IPHONE, Iphone 3G, Iphone 3GS, Iphone

### Implementation Methods

- a) When connecting the USB, 5V power input from USB port, supply power for the main MCU and peripheral Apple authentication chip through LDO output 3.3V. 5V input 7816 interface chip, for supplying power. 7816 interface chip output 5V,3V,1.8V voltage for card working through the internal LDO.
- b) The main MCU is responsible for supporting Apple's authentication and host communications and the authentication chip is used for encryption and decryption processing data required for the Apple Certified. 7816 interface chip is responsible for card read and write and interact with the main chip in accordance with the ISO7816 specification.