

SECURE COMMUNICATION DEVICE

ABSTRACT OF THE DISCLOSURE

The secure communication device includes a master control chip, an encryption chip, a SIM card slot, and a communication chip. The SIM card slot is for storing a SIM card. The master control chip's MOSI, MISO, CLK and CS pins are connected to the encryption chip's MOSI, MISO, CLK and CS pins, respectively, through the SPI bus. The master control chip's DATA, CLK, and RST pins are connected to the SIM card slot's DATA, CLK, and RST pins through the 7816 interface bus. The master control chip's AUX_ANT pin and MAIN_ANT pin are connected to the communication chip. The secure communication device avoids communication data and session keys to be transmitted in plain text, thereby enhancing communication data security.

FIG. 1