

Operation Description

1. Power Management :

(1) The power management using external PMU -- AXP209.

(2) Boot source : DC/USB PWR KEY.

When used in accordance with the requirements of the main power supply (ACIN or VBUS>3.8V , Battery voltage is higher than the shutdown voltage) , AXP209 Will automatically boot(External power supply can automatically boot or not, it's according to the external demand to rewrite the register).We operation the machine by power key.

(3)System operation : Power on: when the system PWR KEY pressed (press the key over ONLEVEL), PMU will set sequential order of soft start DC-DC/LDO. After startup is complete, with the exception of RTCVDD outside, the remaining power is available to the Host via I2C opens / closes.

Power supply:

A RTCVDD have been opened (System opens)3.3V

B INTVDD CPU power 1.2V

C CPUVDD CPU_CORE 1.4V

D the AVCC-3V analog power

E CSI0-IO-2V8 Camera 2.8V Power supply

F VCC-3V3 CPU_IO. NAND FLASH. External power supply

G DRAM-VCC DDR 1.5V Power supply

H AUX-IPS LCD backlight, and USB HOST, peripheral device, use AUX-VCC-EN (PH3) control, high level, power must be turned on, sleep shutdown when closed.

2, the input Method:

(1) the input method type1: Capacitive Touch Screen, Multipoint Input (Five Point)

(2) The input method type2: Electromagnetic Resonance with a digitizer Pen; the controller via UART interface; and the VCC is 3.3V.

3, WIFI:

The module is based on Broadcom 4319 chipset which is a WiFi Teceiver SOC. The Radio architecture & high integration MAC/BB chip provide excellent sensitivity with rich system performance. The module is designed as single antenna for WiFi for the application of small size hand held device.

(1) using the SDIO interface of the WIFI module

(2) The EUT has a Wireless Wi-Fi adapter with 11 channels (802.11b, g, n (20MHz)) or 7 channels (802.11n (40MHz)). After the product has been connected to DC 3.3V. During transmitting, transceiver eradiate signals to the space through Antenna network. During

receiving signal, antenna will send electromagnetic wave signal to the Low Noise Amplifier for enlarging, and then signal will be sent to transceiver to demodulate. It is designed to provide excellent performance with low power Consumption and enhance the advantages of robust system and cost-effective. It is targeted at competitive superior performance, better power Management applications.