



BE230E1

(Display Embedded System)



Features

- 600MHz 32bit RISC ARM Cortex-A8
- Linux With Debian Distribution and Qt Library
- 7" TFT LCD with 800 x 480 WVGA
- Capacitance Touch Panel
- Support SD/SDHC Card
- 1 x USB 2.0 Host, 1 x USB 2.0 OTG, 4 x ADC
- 1 x RS485/422, 1 x RS232
- Ethernet 10/100 Mbps
- Bluetooth
- 2.4G Wi-Fi 802.11b/g/n
- 8 x GPIO
- DC Power 9V~36V

Hardware Specifications

Processor

- 600MHz 32bit RISC ARM Cortex-A8

OS

- Linux With Debian Distribution and Qt Library
- Support Watch-dog

System Memory

- DDR3L 512MB

Internal Storage

- eMMC 4GB

Ethernet

- 10/100 Mbps

Wi-Fi + BT

- Support IEEE 802.11b/g/n
- Support Bluetooth

Audio

- 1 x Mono built-in 1.3W Speaker
- 1 x Stereo Line out Headset

USB

- 1 xUSB 2.0 Host
- 1 xUSB 2.0 OTG

Interface

- Support SD/SDHC card
- Support ADC (4 x Channel, 12 bits Resolution)
- Support 1 x RS485/422
- Support 1 x RS232 (3-wired UART)
- Support 8 x GPIO

Power Support

- DC 9V~36V Power

Certification

- CE, FCC
- Environment of RoHS, Reach, WEEE

Environmental Conditions

- Operation Temperature -20°C ~ +70°C
- Storage Temperature -30°C ~ +80°C

Dimension

- 191mm (W) x 129mm (H) x 44.7mm (D)

Weight

- TBD

