

## CJE2/CJE4 Customized Android POS Motherboard




- OS**      Android 4.2
- CPU**      ARM Cortex-A9 1.6GHz / 1.8GHz
- Memory**      DDR3 1GB
- Display**      18/24 bits single/dual channel LVDS
- Internet**      3G / Wi-Fi / Ethernet / Bluetooth
- Interface**      USB / RS232 / Cash box / HDMI
- Size**      Compatible Mini-ITX 170\*150mm

CJE2/CJE4 android POS motherboard owns advantages such as powerful functions, flexible configuration, rich interface and stable performance, which has been successfully used in many smart devices of various fields. Eg. POS cash registers, inquiry machines, advertising machines, industrial PDAs, lottery machines, intelligent attendances etc.

### Specification Extended Function

| Motherboard spec.  |   | Extended function        |                             |   |
|--------------------|---|--------------------------|-----------------------------|---|
| Processor          | Cortex-A9 dual core 1.6GHz<br>Cortex-A9 quad core 1.8GHz                  | Touch screen             | Resistive screen            | Support 4 or 5 lines                    |
| OS                 | Android4.2  |                          | Capacitor screen            | Multi-touch support                     |
| RAM                | High speed DDR3 1GB   |                          | Infrared screen             | Support android powered infrared screen |
| Screen display     | 24 bits dual channel LVDS (18 bits single channel) , resolution 1920*1280 | COM                      | Wi-Fi                       | Support IEEE802.11b/g/n protocol        |
| ROM                | 4GB FLASH (Max 16GB)  |                          | 3G                          | WCDMA/EVDO                              |
| external interface | 2 * RS232 port,   |                          | GPRS                        | 850/900/1800/1900MHz                    |
|                    | 2 * USB2.0 (4*USB2.0 optional)  |                          | Bluetooth (optional)        | 2.1 protocol , support printer          |
| USB                | 7*USB2.0 HOST   |                          | Ethernet                    | 10/100MHz                               |
| RTC                | Real time clock   |                          | RS232                       | Serial communication                    |
| internal interface | 3 * USB2.0 (5*USB2.0 optional)  |                          | USB                         | USB2.0 HOST                             |
|                    | 1*Resistor / capacitor / infrared touch screen                            | External Thermal printer | 58mm                        | thermal printer with cutter             |
| 1 * cash box       | 80mm  |                          | thermal printer with cutter |   |
| Network            | 1 * 10/100M network card  | Camera (optional)        | camera                      | 5.0 MP                                  |
|                    | 1 * WCDMA/EVDO/GPRS   |                          | Flashlight                  | support                                 |

|           |                             |  |                      |   |
|-----------|-----------------------------|--|----------------------|---|
|           | 1 * Wi-Fi , IEEE802.11b/g/n |  | MSR                  | Support track 1/2/3   |
| Dimension | Mini board (170*150mm)      |  | External reader      | Smart card<br>NFC/RFID<br>13.56MHz support<br>ISO14443A/B,ISO15693 protocol |
|           |                             |  | Customer display     | Support LED / VFD / LCD customer display                                    |
|           |                             |  | Cash box             | 12/24VDC cash box   |
|           |                             |  | Keyboard mouse       | USB PC keyboard, USB mouse  |
|           |                             |  | Rechargeable battery | Customized external spare battery   |
|           |                             |  | Audio port           | built-in speaker、MIC  |
|           |                             |  | External equipment   | Bar code scanner, kitchen printers, electronic scale, etc                   |

## Customized Solution

- Hardware functions customization: customize different motherboard for different industries
- Hardware motherboard customization: customized the motherboard according to the mold shell
- Application software customization: Provide kinds of customized software(Android, server)
- Function module customization: provide thermal printer、NFC(RFID)、MSR、IC card、customer display(LED/LCD)、WCDMA/EVDO, etc.
- OS customization:
  - Startup picture: customized company logo or specified picture
  - Power on: customized according to customer's requirements , system go into application directly, users cannot operate the system.
  - Application system immobilized: customized application system immobilized, users cannot install their own
  - Standard interface: Provide further development documents/SDK, DEMO programs

## Successes & Applications



(2D POS terminal)



(POS cash register)



(Lottery machine)



(Queue machine)

POS cash registers, inquiry machine, advertising machine, automatic calling distributor, lottery machine, industrial tablets