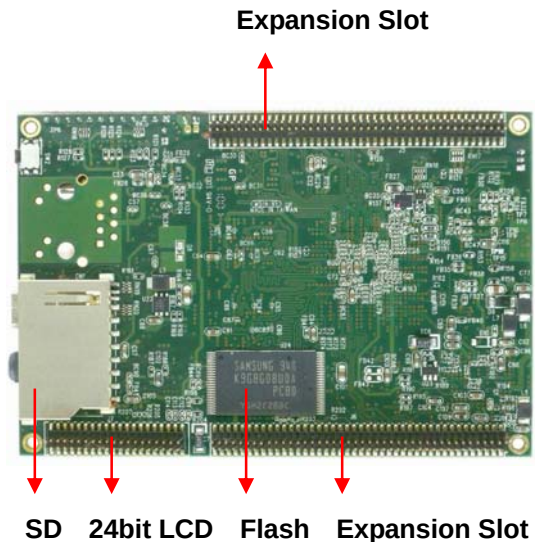
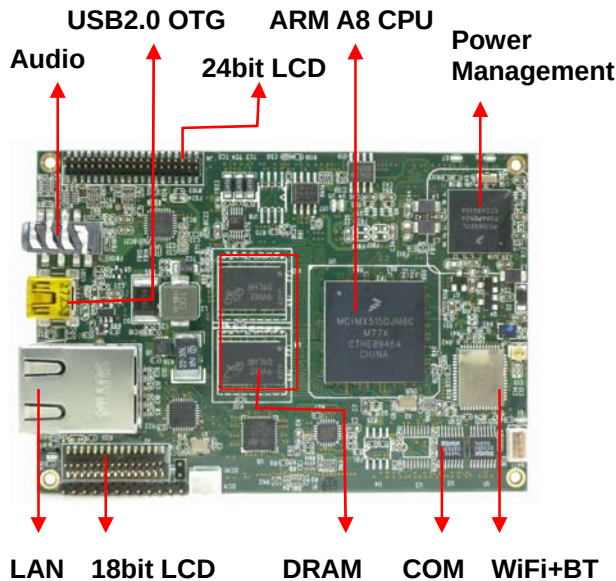


M51A

ARM A8 SBC

ARM A8 800MHz CPU, 256KB cache, 256MB RAM, 1GB Flash, 24-bit LCD, Multimedia with H.264/H.263/MPEG4 Codec, OpenGL ES2.0, OpenVG 1.1, TV, LAN, Audio, USB2.0, SD, COM, CAN, GPIO, Camera interface, Touch, 5~36V DC-IN; Optional 2nd LCD for Dual Display, Keypad, WiFi+Bluetooth



Specifications

- **ARM Cortex A8 800MHz CPU with Neon media accelerator**
Cache: 32KB instructions cache and 32KB data cache (L1), 256KB cache (L2) built in CPU
- **DRAM: 256MByte** DDR2 SDRAM soldered on board
- **Flash: 1Gbyte** Flash soldered on board
- **Multimedia with H.264/H.263/MPEG4 Codec & OpenGL ES2.0, OpenVG 1.1:**
-OpenGL ES 2.0 @ 27M Tri/sec and OpenVG 1.1 Hardware accelerators
-Multi-format Hardware Codec:
Encoder: D1 30fps (H.264 BP, H.263 P0/P3, MPEG4 SP, MJPEG Baseline)
Decoder: HD720P 30fps (H.264 BP/MP/HP, H.263 P0/P3, MPEG4 ASP, MPEG2 MP, VC-1 SP/MP/AP, DivX 3/4/5/6, RV10 8/9/10, MJPEG Baseline)
- **HD720P TV-out:** Support Y/C Video out and Y, C S-Video out
- **LCD:** Support 24 bit TFT LCD up to WXGA, optional 2nd 18-bit TFT LCD
Optional LVDS or CRT daughter board
- **Ethernet :** 100/10M Ethernet, Support RJ45 connector (UPT)
- **Bus type:** Expansion EIM bus and CSPI bus for extension board ,
- **Audio:** Audio on board
- **USB 2.0:** USB OTG and USB Host (ULPI)
- **SD:** SD Card socket on board,
- **Keypad:** Extension board
- **COM Port:** RS232 x 3 and RS485 x 1
- **CAN:** CAN bus on board,
- **GPIO:** 16-bit
- **Camera:** up to 8Mpixel @ 15fps, up 133Mpixel/sec
- **Touch:** 4 way touch control
- **WIFI + Bluetooth:** WIFI 802.11 b/g/n, Bluetooth 2.0/3.0
- **Power Requirement:** 5 ~ 36V power, support 5V Battery
- **Dimension:** 94mm x 65mm SBC
- **Operating Temperature:** -20 to 70°C (-4 ~ 158°F), optional -40 to 85°C

Features

ARM A8 800MHz CPU, 256KB cache, 256MB RAM, 1GB Flash, 24-bit LCD, Multimedia with H.264/H.263/MPEG4 Codec, OpenGL ES2.0, OpenVG 1.1, TV, LAN, Audio, USB2.0, SD, COM, CAN, GPIO, Camera interface, Touch, 5~36V DC-IN; Optional 2nd LCD for Dual Display, Keypad, WiFi+Bluetooth

Packing List