

M31C 3.5" ARM11 SBC Specifications

Hardware Specifications:

- 532MHz ARM11 CPU with 128K L2 Cache and Security hardware
Security function feature Electronically Blown Fuses and other several hardware/software way to protect devices' IDs, security code & other data.
[Optional 400MHz -45 to +85C Industrial version.](#)
- 256MB Flash, up to 2GByte NAND Flash
- 128MB DDR SDRAM, up to 256MByte
- Smart Multimedia: H.263, MPEG-4, RV (RealVideo), WMV (Windows Media Video), MPEG-2, DivX
- 3.5"~8" 320x240 ~ 800x600 LVDS/CMOS LCD port, support with integrated frame buffer
- 2D/3D(Optional) Graphic Processing Unit (GPU)
- [8-bit Isolated DIO](#)
- On-board USB OTG (On-The-Go)
- SPI, I2C and serial interfaces
- Headphone, 1W Class D stereo speaker, microphone, and keypad interfaces
- Touch Screen interface
- RTC (real time clock) with support for rechargeable battery back-up
- Watchdog timer and status LEDs
- [Optional Battery Backup 128Kx8 - 512Kx8 SRAM](#)
- Internal High Speed USB Port
- 10/100Mb Ethernet LAN
- Windows CE 5.0 Support
- Linux support
- Keypad interface (Internal)
- Camera CMOS / CCD sensor interface (internal)
- SD Card interface
- Power Management
- Wake Up Timer
- *Wake on Photo Isolated Input x4
- *Wake on GPRS(Ring) or SMS
- System Auto Power On by Detect Input Voltage
- 0 to +70C, -20 to +70C and optional -40 to +85C temperature range
- Wide range 5.5V – 36V input for stand-alone vehicle, marine, industrial, retail and other vehicle
- Manual Push Button Power On/Off
- Software Control Power On/Off
- [Optional: RF, GPRS/GSM, WCDMA, HSDPA, 4-CH Video IN for 4 camera, 802.11n WiFi, COM x 6](#)

