

## Peripheral Feature

- One full speed USB 2.0 OTG controller
- One audio interface supports IIS, left adjusted, right adjusted and DSP mode
- Four multi-function 16-bit timers, support capture and PWM mode
- Two 16-bit PWM generator for motor driving
- One 16-bit active parallel port
- One full-duplex basic UART
- Two full-duplex advanced UART
- Two SPI interface supports host and device mode
- Two SD Card Host controller
- One IIC interface supports host and device mode
- Watchdog
- 2 Crystal Oscillator
- 16-bit Stereo DAC, SNR > 92dB
- 3 channels Stereo ADC, SNR > 92dB
- 1 channel MIC amplifier
- Embedded headphone amplifier
- 3 channels Stereo analog MUX
- channels 10-bit ADC
- 2 channels 4 levels Low Voltage Detector
- Built in Cap Sense Key controller
- Power-on reset
- Embedded PMU