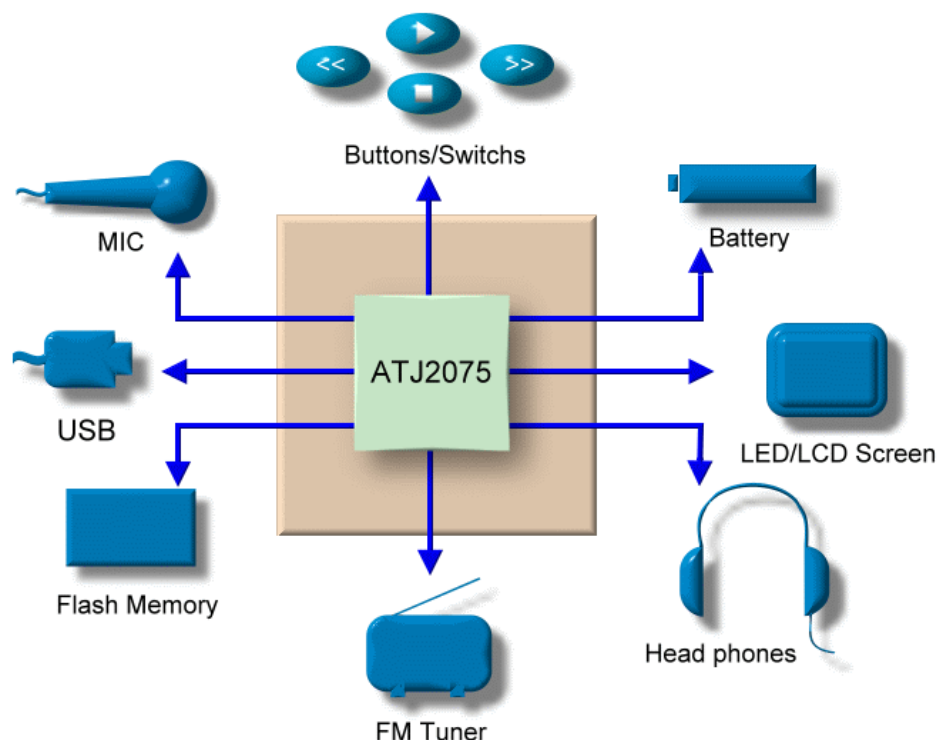


Features

MP3 / WMA decoding capability
Nor Flash, Nand Flash, SMC, MMC
1 x AA, 1 x AAA or 2 x AA, 2 x AAA
Full speed USB1.1
Built-in LCD driver
Support external LCD/LCM
4x9 key auto scan / support GPIO
Record up to 17 hours (32M Flash)
High performance 18-bit S stereo
technology

High performance DSP speed up to
36 MIPS
Support Master-Client application
Upgradeable firmware
Dynamic power management mode
Adjustable EQ
Support FM Radio input and 16
levels volume control
128-pin LQFP
Dual oscillator, low power
consumption, 32.768KHz (76.8KHz)
and 24.576MHz

Application Form



ATJ2075

MP3/WMA Decoder with Drive-less USB Interface and Voice Record

Function Description

ATJ2075 is a single - chip highly – integrated digital music system solution which can be programmed for Audio, PDA, digital recorder, E-dictionary, mass storage device, etc. It built-in a 8-bit MCU and a high performance 24-bit fix point DSP, it is easy to fit every versatile audio application, and can exchange every documentation with PC without any external driver IC.

ATJ2075 provides a lot of peripheral interface, which can be easy joined with

LCD, key, headphone, MIC and FM.

ATJ2075 support to play Mpeg1, 2, 2.5 layer 1, 2, 3 format files. User can upgrade firmware through the internet and keep it new all the time. ATJ2075 can realize the function as learn machine and E-dictionary without other ICs. The power management unit can reduce power consumption and improve stand by & play time. Headphone driver can output 10mWx2 @ 16ohm. ADCs.

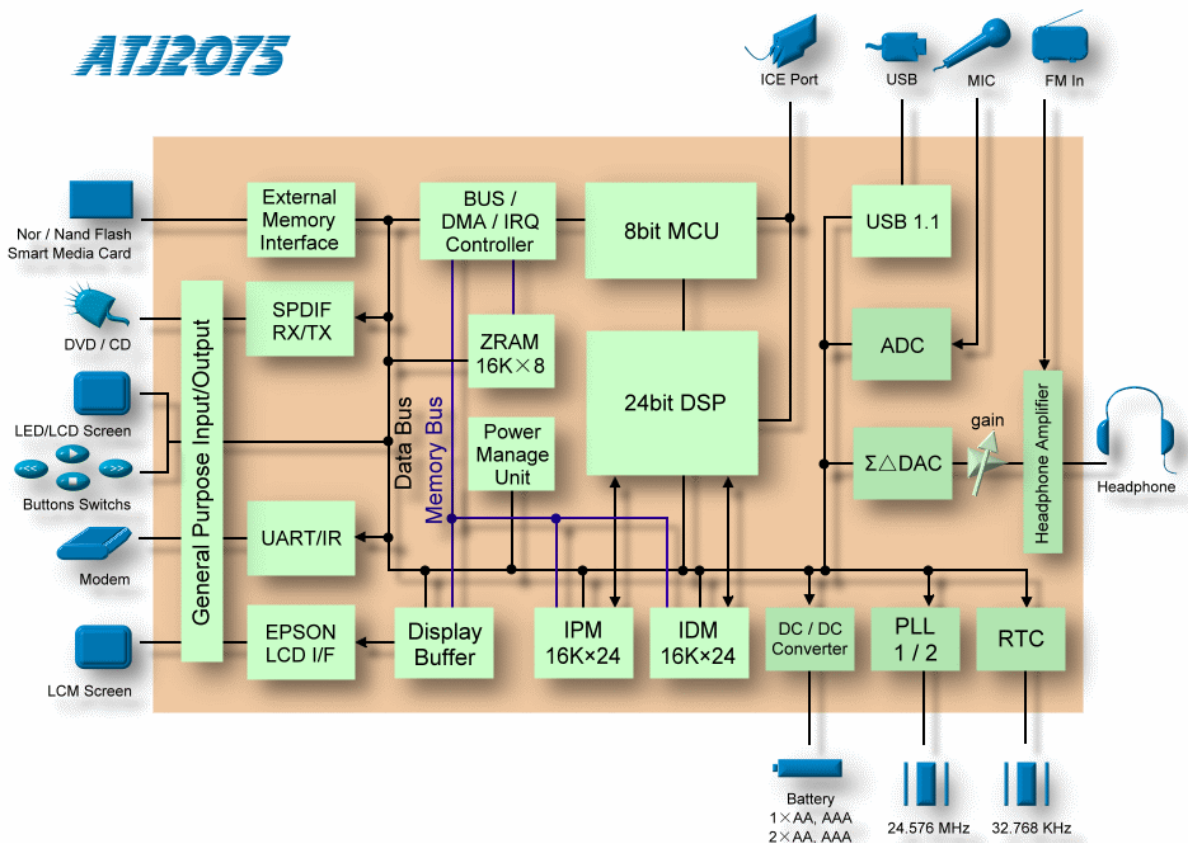


Figure1. ATJ2075 Block Diagram

Additional product and company information can be obtained by going to the Actions website at:

www.actions.com.cn

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