



USB interface: 2.0 standard

UART interface: standard serial port, TTL level

Input voltage: DC 3.3-5.2 V, recommended 5 V power supply

Rated current: Sleep current: 500 uA; Working current: 10 MA

Size: 20.32*15.5 mm

Working temperature: -40 degrees to 85 degrees

Working humidity: 5%~95%

MP3 file format

1. Support all bit rates 11172-3 and IS013813-3 lay. Support audio decoding
2. Sampling rate support rate (KHZ): 8/11.025/12/16/22.05/24/32/44.1/48
3. Support Normal, Jazz, Classic, Pop, Rock and other sound effects

Features:

- Support MP3, WAV hardware decoding
- Support FAT file system
- Support sampling (K H z): 8 / 11.025 / 12/16 / 22.05 / 24/32 / 44.1 / 48
- The 24-bit DAC output internally uses DSP hardware decoding, non-PWM output, dynamic range support 90dB, signal ratio 85d B
- Multiple control modes, two-wire serial mode, one-wire serial control, button mode
- Support U disk, TF card, SPIFLASH
- Support USB sound card, card reader, HI D control
- Support SPIFLASH to be simulated as a USB flash drive, and directly update the voice in SPIFLASH just like operating a USB flash drive
- Support the control of common functions such as previous song, next song, play, pause, stop, song selection, etc.
- Support system deep sleep, after sleep, the current is as low as 600 micro amps, and it can be awakened by a string and command IO
- Support external input audio and MP3 audio mixing, external input, MP3 output, external input and MP3 mixing three output switching

Application :

- Car navigation voice broadcast:
- Highway transportation inspection, toll station voice prompt:
- Voice prompts for safety inspections at railway stations and bus stations:
- Voice prompts in power, communications, and financial business halls:
- Voice prompts for vehicle entry and exit channel verification;
- Voice prompt of public security frontier inspection channel:
- Multi-channel voice correction or device operation guidance voice:
- Voice announcements for safe driving of electric sightseeing vehicles;
- Automatic alarm for mechanical and electrical equipment failure
- Fire alarm prompts;
- Automatic broadcast equipment, broadcast regularly;