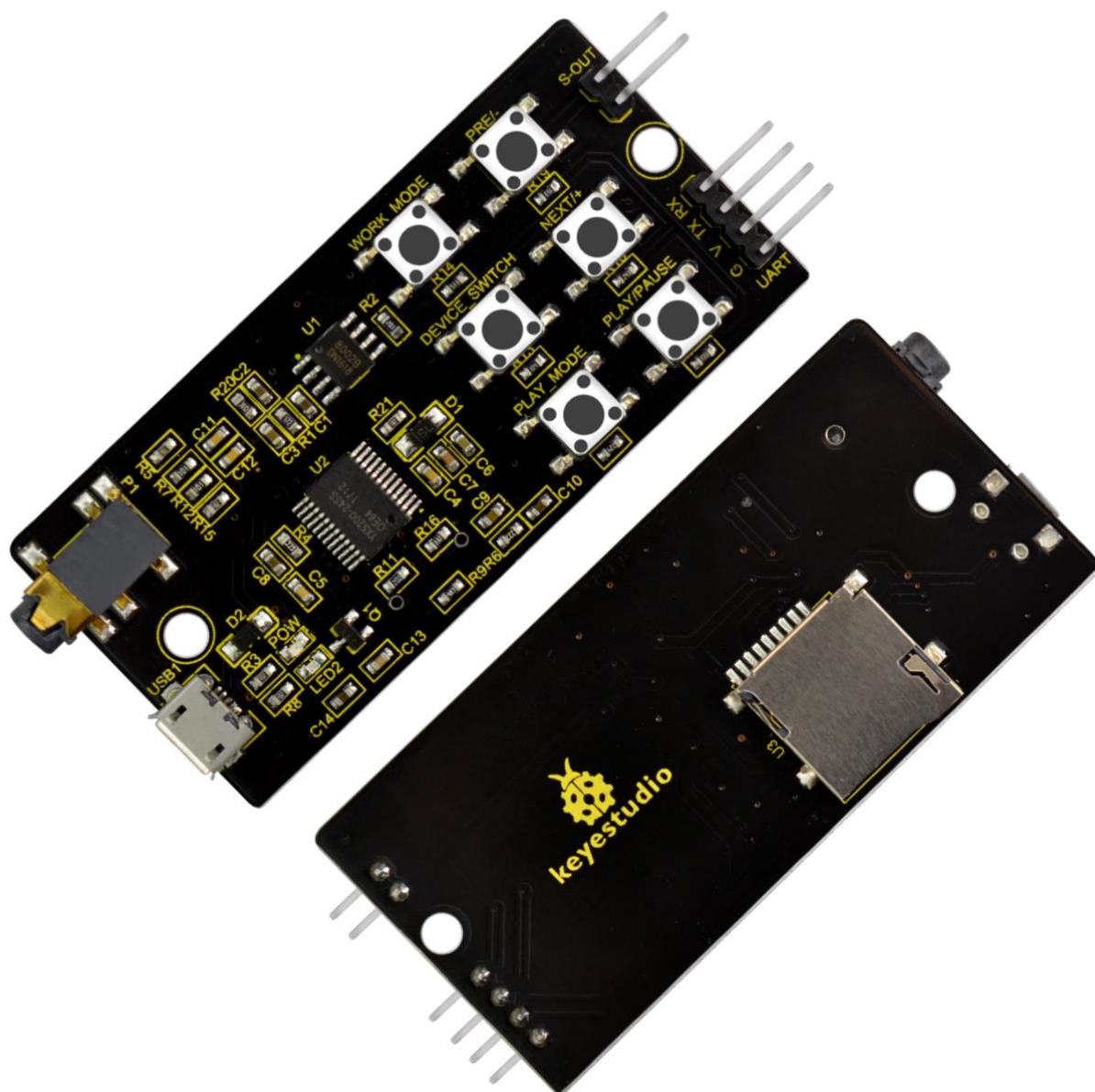# Keyestudio

YX5200-24SS MP3 Module ideal for Arduino

1. Description

Keyestudio YX5200-24SS MP3 module is specially designed for music playing. It uses YX5200-24SS as core, perfectly integrated MP3、WAV、WMA hardware interface. It supports TF card driver, easy-to-use,stable and reliable.

The main functions of this module are as follows:

With TF card slot, can directly read and play music in the card.
Comes with a serial communication interface (UART), can control the music playback through serial communication.
Comes with micro USB interface (USB1), to read the contents of SD card and download music.
Comes with a headphone jack (P1), easy to access headphones to listen to music.
Integrated audio amplifier chip and built-in speaker interface (S-OUT), can directly play via connecting external speakers.

The audio magnification is 8 times.The power of the access speaker should be large enough.

The initial sound of the power-on playback defaults to the maximum.

Please turn down the sound volume before playing.

When the speaker resistance is 8 ohms, the maximum output power is 1.2W.

Comes with external 6 commonly used buttons, easy to control and verify the instructions.

2. Technical Parameters

- Operating voltage: DC 5V
- Operating current: maximum 1A
- Max power consumption: 5W
- Operating temperature: 10~40℃
- Audio magnification: 8 times
- Support TF card: maximum 32G
- Environmental attributes: ROHS
- Dimensions: 77mm*33mm*8mm
- Weight: 10.6

3. Button Functions

Buttons	Short press	Long press	Notes
WORK_MODE	Work mode		INTERRUPT/NON-INTERRUPT SWITCH
PRE/-	previous	VOL-	
NEXT/+	next	VOL+	
DEVICE_SWITCH	device switch		U/TF/SPI/SLEEP
PLAY_MODE	Play mode		LOOP PLAY
PLAY/PAUSE	play/pause		