

Raspberry Pi IQAudio DAC Pro

KIT-17739

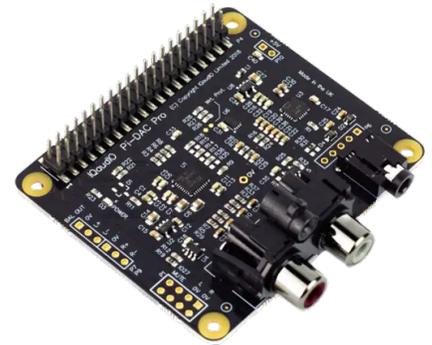
Product Overview

11-10-2021

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

SparkFun Raspberry Pi IQAudio DAC Pro is an audiophile DAC for the Raspberry Pi that works with phono (RCA) and headphones (3.5mm). This audiophile DAC also supports Balanced/Differential output for XLR use in a studio or home studio. The Raspberry Pi IQAudio DAC Pro can be connected to studio equipment or powered speakers over long cable runs and can be used to run a disco, radio station, or home studio from a Raspberry Pi. This DAC Pro comes complete with PCB spacers, screws, and two 3-Pin JST headers for balanced output support. The Raspberry Pi IQAudio DAC Pro uses the Texas Instruments PCM5242 DAC, the big brother of the PCM5122 featured on the DAC+ and boasts balanced output, better Signal to Noise Ratio, and THD.



Features

- Raspberry Pi HAT (A+/B+/2/3/3B+/4) compliant accessory
- Pre-programmed EEPROM for auto configuration
- Full-HD audio – up to 24-bit/192kHz playback
- Integrated hardware volume control (via ALSA)
- Built in High quality audio headphone amplifier (TI TPA6133A)
- Class leading audio; 114db SNR, and -94db THD
- Audiophile TI Burr Brown 32-bit/384kHz DAC (TI PCM5242)
- Advanced ESD protection
- Digital I²S audio signals
- Raspberry Pi powered, no external power requirements
- Industry standard audio quality Phono/RCA connectors
- Balanced output exposed on PCB
- Built in mini DSP
- Full GPIO access with no soldering required

Mouser Part Number(s)

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To learn more, visit <https://www.mouser.com/new/sparkfun/sparkfun-raspberry-pi-iqaudio-dac-pro/>