



### Feature:

1. Analog input channels: 8
2. Analog output channels: 8
3. Processor: ADI SHARC 21489@450 MHz SIMD
4. DSP processing power: 400 MIPS, 1.6 GFLOPS
5. Sampling rate: 48 kHz,  $\pm 100$  ppm
6. THD+N:  $< -94$ dB @17dBu
7. Input dynamic range: 110dB
8. Output dynamic range: 112dB
9. 4-channel GIPO
10. 1-channel RS232
11. 1-channel RS485
12. Built-in USB sound card, supports music playback, recording and soft video conferencing (such as: ZOOM, Tencent Conference, DingTalk Conference, etc.)
13. Bus-type AEC, tail time: 512ms, convergence rate: 60dB/S, echo cancellation amplitude: 60dB
14. Independent channel AFC (feedback suppression), using notch algorithm, transmission gain improvement: 10dB
15. Noise suppression (ANS), signal-to-noise ratio improvement of 18dB
16. 8-band British parametric equalization, providing 5 filter options: Parametric, Lowshelf, Highshelf, Lowpass, Highpass
17. Provide end-user customized operation interface, support up to 30 devices to manage with the same interface
18. With central control function, it can control the power supply, signal switching, environmental control, audio and other overall functions in the system, and realize one-click opening of the system functions
19. 40bit DSP floating point operation engine

### Specification:

|  |                            |
|--|----------------------------|
| Processor                                  | ADI SHARC 21489            |
| Sampling rate/quantization bit             | 48K/24bit                  |
| Number of analog input and output channels | 8 x 8                      |
| Input gain                                 | 0/6/12/18/24/30/36/42/48dB |
| Phantom power                              | +48V/10mA max              |
| Frequency response (20~20kHz)              | ±0.15dB                    |
| Maximum level                              | +18dBu                     |
| THD+N                                      | <-94dB @17dBu              |
| Input dynamic range                        | 110dB                      |
| Output dynamic range                       | 112dB                      |
| Channel isolation @1kHz                    | 108dB                      |
| Input impedance (balanced connection)      | 5.4KΩ                      |
| Output impedance (balanced connection)     | 600Ω                       |
| System delay                               | <6ms                       |
| Working power                              | AC 220V, 50Hz              |
| Dimensions (WxDxH)                         | 482 x 200 x 45mm           |
| Shipping weight                            | 3KG                        |