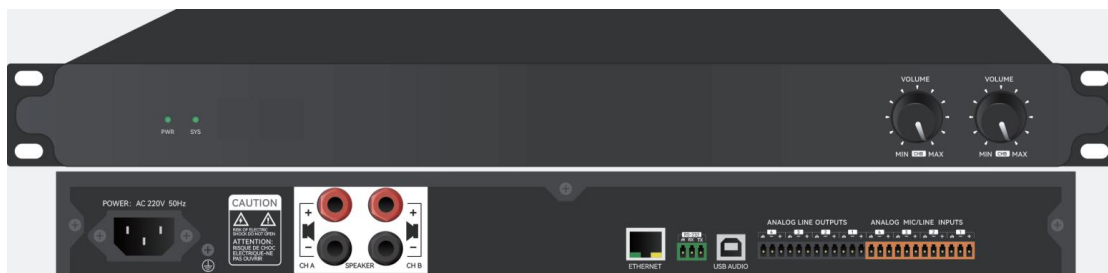


TE0402P

4x4 Digital Audio Processor



AEC

ANS

AFC

Features

- Built-in one-in and one-out USB sound card, supports music playback, recording and soft video conferencing (such as ZOOM, Tencent Conference, DingTalk Conference, etc.);
- 1-channel bus AEC, sampling rate 16K, tail time: 200ms, convergence rate: 60dB/S, echo cancellation amplitude: 60dB;
- 1-channel bus-type AFC (feedback suppression), using adaptive algorithm, 16K sampling rate, 128ms tail length, sound transmission gain improvement 10dB;
- 1-way bus ducker (Ducker);
- 8-band British parametric equalizer, providing 5 filter options: Parametric, Lowshelf, Highshelf, Lowpass, Highpass;
- Provide end-user customized operation interface, supporting up to 30 devices managed by the same interface;
- It has a central control function and supports three control methods: RS232, RS485, and UDP. It can control the power supply, signal switching, environment control, audio, etc. in the system as a whole, and realize the functions required to start the system with one click.

DSP parameters

Processor	ADI SHARC 21489	Frequency response (20~20kHz)	±0.5dB
Sampling rate/quantization bits	48K/24bit	Maximum input and output level	+18dBu
Number of analog input and output channels	4 x 4	THD+N	<-100dB @4dBu
		Dynamic range (analog channel)	110dB
Input gain	0/6/12/18/24/30/36/42/48 dB	Input dynamic range	110dB
		Output dynamic range	110dB
System delay	<3ms	Input impedance (balanced connection)	5.4KΩ
		Output impedance (balanced connection)	600Ω
Phantom power	+48V/10mA max		

Amplifier parameters

2x60W/8Ω/stereo	>1min	Crosstalk attenuation	<-80dB (1kHz), <-75dB (10kHz)
Rated power	RMSTHD < 1%	Frequency response	10% rated power, 8Ω, ±1dB, 20Hz~20kHz
2x100W/4Ω/stereo	>10s		
1x180W/8Ω/bridge	>10s	Input impedance	20K balanced, 10K unbalanced
Voltage gain	(8Ω, 1kHz) 29dB	Distortion	<0.1%
Input sensitivity	0.775±0.02Vrms	Working power supply	90V~264V, 50~60Hz
Weight	7Kg	Dimensions (width x depth x height)	482 x 260 x 45mm