



SAP-F88E

8-Channel Digital Audio Processor

The SPON SAP-F88E audio processor uses the leading ADI DSP SHARC 21489 processor, a 40-bit DSP floating-point engine with a max frequency of 450MHz. It includes core modules like AFC, AEC, ANS, meeting audio needs in various spaces like conference rooms, halls, auditoriums, and administrative centers.

USB Sound Card

AFC, AEC, ANS
Ducker

Analog: 8*8

MAIN FEATURES

▲ Audio Input And Output

Analog Channel Configuration: Equipped with 8 analog input channels and 8 analog output channels.

Flexible Processing Module: Configurable processing module allows for easy replacement based on specific needs.

Integrated USB Sound Card: Built-in one-in-one-out USB sound card supports versatile functions, including music playback, recording, and software video conferencing.

▲ Audio Processing Features

Advanced Acoustic Processing: Features a bus-based Acoustic Echo Canceller (AEC), independent Automatic Feedback Canceller (AFC), noise suppression (ANS).

Precision Equalization Options: 8-band EQ with filter options, including Parametric, Lowshelf, Highshelf, Lowpass, and Highpass.

▲ User Interface and Customization

User-Friendly Interface: Provides an end-user customized operating interface tailored to individual preferences.

▲ Central Control Function

Unified System Control: Central control functionality facilitates the unified control of power, signal switching, environmental control, and audio in the entire system. Enables one-click system startup with ease.

SPECIFICATION

CORE PARAMETERS

Processor:	ADI SHARC 21489@450 MHz SIMD
Audio Algorithm:	Full-Duplex Adaptive Echo Cancellation (AEC) Ambient Noise Compensator (ANC) Audio Ducking (Ducker) Acoustic Feedback Canceler(AFC)
Analog Channel Number:	8*8
Sampling Rate:	48K/24bit

ACCESSORIES

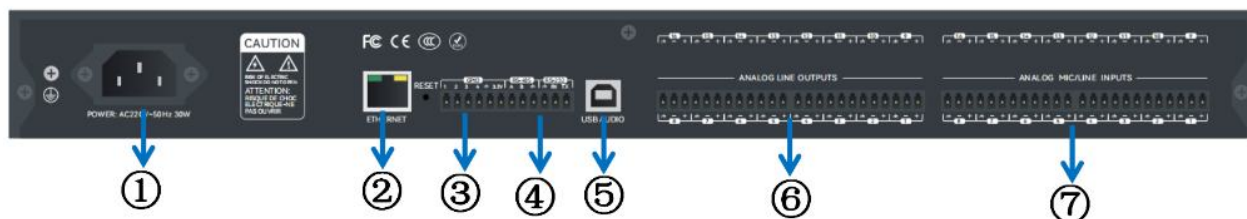
1×Digital Audio Processor
1×Power Cable (Optional)
1×USB Cable
5×12P Phoenix Terminal
4×Foot Pads
1×Small Screwdriver
1×Quick Installation Guide
1×Certificate & Warranty Card

GENERAL PARAMETERS

Input Gain:	0/6/12/18/24/30/36/42/48dBu
Phantom Power:	48V
Frequency Response:	20-20kHz ±0.5dB
Maximum Level:	+18dBu
THD+N:	<-95dB @17dBu
Input Dynamic Range:	113dB
Output Dynamic Range:	113dB
Channel Isolation@1kHz:	108dB
Input Impedance (Balanced Connection):	5.4KΩ
Output Impedance (Balanced Connection):	600Ω
System Latency:	< 3ms
Operating Temperature:	0-40°C
Power Supply:	AC 220V,50Hz
Product Dimensions:	482*200*45mm
Product Weight:	3kg
Warranty:	2 Years

PORTS DESCRIPTION

[Rear Panel]



① Power Input

② Network Port:

By connecting to this network port, the client computer can configure and monitor the device.

③ GPIO Interface:

8 logic outputs with 4 pairs of universal ground pins.

④ RS232+RS485 interface:

connect to the control terminal or central control equipment.

⑤ USB Sound Card:

Used for playback and recording

⑥ Output Analog Signal Output Interface:

Can be connected to equipment such as power amplifiers and active speakers.

⑦ Input Analog Signal Input Interface:

Can connect microphones, DVDs and other devices.

CONNECTION DIAGRAM

