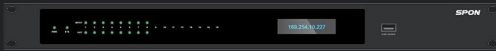


SAP-F88

8-Channel Digital Audio Processor



The SPON SAP-F88 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, AGC, AEC, ANC, AM, ANS, meeting audio needs in various spaces like conference rooms, halls, auditoriums, and administrative centers.

USB Sound Card

AEC AFC ANS AGC
ANC AM 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: Incorporates bus-type AEC, independent channel AFC (feedback suppression), noise suppression (ANS), ducker (Audio Ducker), noise gain compensator (ANC), gain sharing automatic mixing (AMC), and threshold automatic mixing (Gate Mixer).
- Precision Equalization Options:
12-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) Active Noise Cancellation (ANS) Gain Sharing Auto Mixer Control (AMC) Automatic Gain Control (AGC). Audio Ducking (Ducker) Ambient Noise Compensator (ANC) Acoustic Feedback Canceler(AFC)
Analog Channel Number:	8*8
Sampling Rate:	48K/24bit

ACCESSORIES

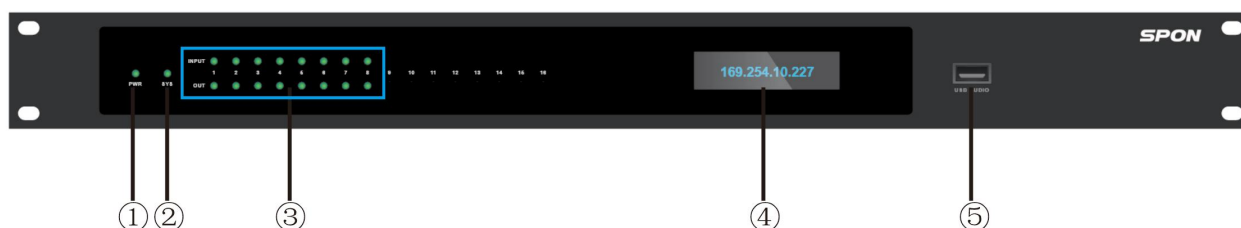
1×Digital Audio Processor
1×Power Cable (Optional)
1×USB Cable
6×12P Phoenix Terminal
1×6P Phoenix Terminal
1×Small Screwdriver
4×Foot Pads
1×Quick Installation Guide
1×Warranty & Certification Card

GENERAL PARAMETERS

Power Supply:	110-240V AC 50/60Hz
Input Gain:	0/3/6/9/12/15/18/21/24/27/30/ 33/ 36/39/42/45/48 dBu
Phantom Power:	+48V/10mA Max
Frequency Response:	20Hz-20kHz±0.5dB
Maximum Level:	+18dBu
THD+N:	<-95dB @17dBu
Dynamic Input Range:	113 dB
Dynamic Output Range:	113 dB
Channel Isolation @1kHz:	108 dB
Input Impedance (Balanced Connection):	5.4KΩ
Output Impedance (Balanced Connection):	600Ω
Operating Temperature:	0-40°C
System Latency:	<3ms
Product Dimensions:	482*260*45mm
Product Weight:	4kg
Warranty:	2 Years

PORTS DESCRIPTION

[Front Panel]



① Power Indicator Light

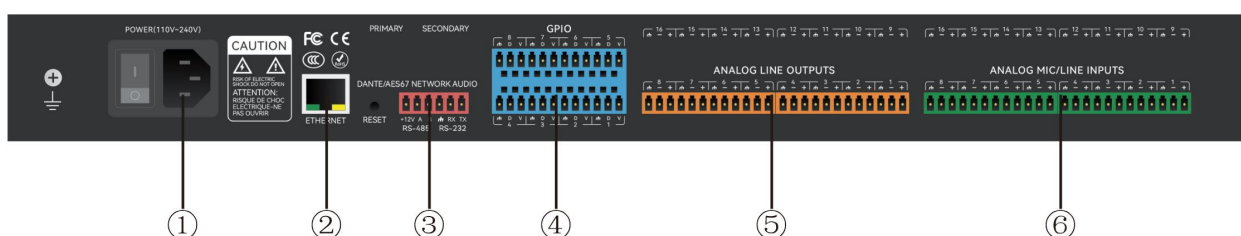
② Working Status Indicator Light

③ Channel Status Indicator Light

④ Display

⑤ USB Port:
USB sound card, capable of recording and broadcasting functions.

[Rear Panel]



① Power Input

② Network Port

③ RS232+RS485 interface:
connect to the control terminal or central control equipment.

④ GPIO Interface:
8 logic outputs with 4 pairs of universal ground pins.

⑤ Output Analog Signal Output Interface:
Can be connected to equipment such as power amplifiers and active speakers.

⑥ Input Analog Signal Input Interface:
Can connect microphones, DVDs and other devices.

CONNECTION DIAGRAM

