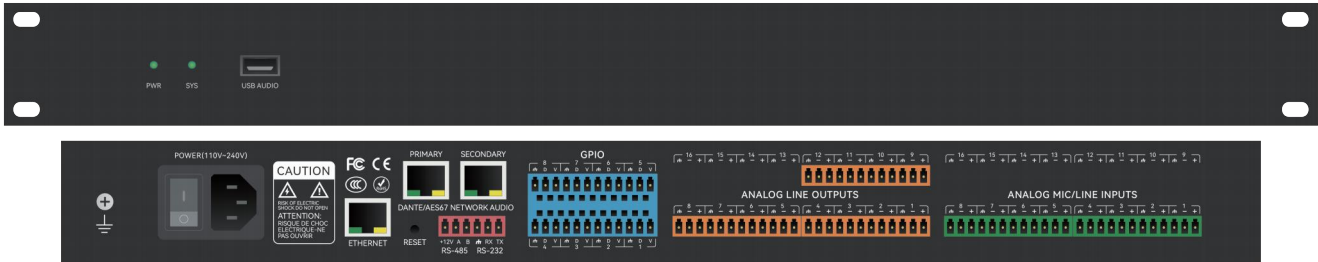# NLP0812D 8x12 Digital Audio Processor (Dante)

Features

- ADI SHARC platform with semi–open architecture and ETHERNET support.
- Integrated management of multiple devices offers open user interface and supports good sound quality (at 24bit/48kHz.)
- Each channel has its own independent adaptive feedback suppression which can find and suppress audio feedback automatically.
- Full–duplex Adaptive Echo Cancellation (AEC) and Active Noise Cancellation (ANS).
- Gain sharing Auto Mixer Control (AMC).
- Automatic Gain Control (AGC).
- Audio Ducking (Ducker).
- Ambient Noise Compensator (ANC).
- Full–featured audio mixing matrix supports adjustable input level.
- Provides 8 GPIOs, each can be independently configured as input or output, and can be used as independent ADC when configured as input.
- Supports audio channel duplicating, linking, and grouping.
- Supports RS–232 and UDP central control.
- Provides the flexibility to assign UDP port number, with the control commands available through the contral software.
- Works with 2 types of our wall panel products, both software programmable.
- Built–in dual channel USB sound card can be used for audio recording, audio broadcasting, and video conference.
- Supports both PoE power supply and DC 12V power adapter.·
- Supports iOS and Windows operating system.

Specifications

Working power	110–240VAC 50/60Hz
Sampling rate/quantization bits	48K/24bit
Number of analog input and output channels	8x12
Number of DANTE input and output channels	8x8
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	0.003% @1kHz, +4dBu
Dynamic input range	113 dB
Dynamic output range	115 dB
Channel isolation @1kHz	108 dB
Input impedance (balanced connection)	5.4KΩ
Output impedance (balanced connection)	600Ω
System latency	<3ms
Dimensions (WxDxH)	482x 260x45mm