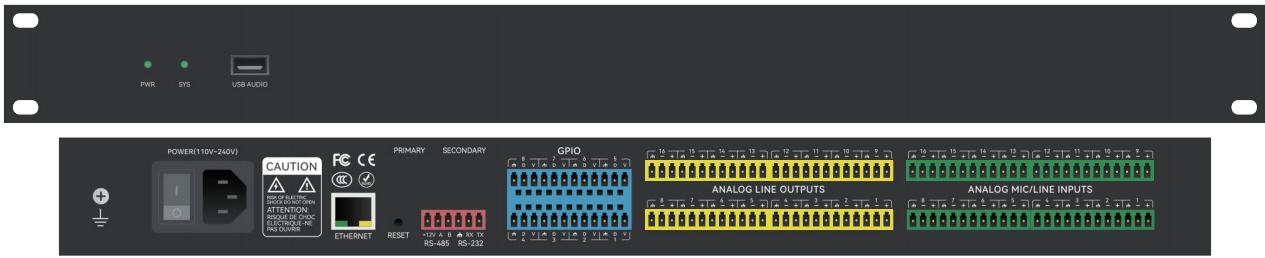


# NLP1616

16x16 Digital Audio Processor



NHS AEC ANS AGC ANC AMM Ducker

## Features

- ADI SHARC platform with configurable 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 notch feedback suppression which can find and suppress audio feedback automatically.
- Full-duplex Adaptive Echo Cancellation (AEC) and Automatic Noise Suppression (ANS).
- Automatic Microphone Mixer (AMM).
- Automatic Gain Control (AGC).
- Audio Ducking (Ducker).
- Ambient Noise Compensator (ANC).
- Full-featured audio mixing matrix supports adjustable input level.
- Provides up to 16 presets, each can work independently.
- 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 control software.
- Works with wall panel products, both software programmable.
- Built-in channel USB sound card can be used for audio recording, audio broadcasting, and video conference.
- User Interface supports iOS, Android and Windows operating system.

## Specifications

Processor	ADI SHARC 21489	Input dynamic range	113dB
Sampling rate/quantization bits	48K/24bit	Output dynamic range	113dB
Number of analog input and output channels	16x16	Channel isolation @1kHz	108dB
		Input impedance (balanced connection)	5.4KΩ
Input gain	0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu	Output impedance (balanced connection)	600Ω
		System latency	<3ms
Phantom power	+48V/10mA max	Working power supply	AC110~240V, 50Hz/60Hz
Frequency response	20Hz~20kHz (±0.3dB)	Dimensions (width x depth x height)	482 x 259 x 45mm
Maximum level	+18dBu	Shipping Weight (Net/Gross Weight)	3.54kg/3.93kg
THD+N	≤0.002% (1kHz, +4dBu A-weighted)		