# NSP2.4/2.6/3.6/4.8

## DSP Audio Processor


## Characteristic:

- Adopt ADI SHARC 21489 400MHz 32/40-bit floating-point DSP with 96KHz Sampling rate; Use ELNA electrolytic capacitors and other world-famous audio dedicated devices to deliver a pleasant sound;
- Built-in sine, white noise, noise-splitting signal generator, and could be used as a test signal;
- Input with 3-band dynamic EQ to improve the audio performance;
- Channels link and channels copy function to improve the engineer’ s efficiency;
- Full port RF protection to protect the safe and reliable operation of the equipment;
- Support for multiple connection mode, USB, TCP/IP, RS232 ,RS485 and GPIO port, open protocol for third-party control;
- Support multiple machines networking and joint debugging, remote monitoring
- Support mobile APP wireless control.

## Specifications:

| Model | NSP2.4 | NSP2.6 | NSP3.6 | NSP4.8 |
|---|---|---|---|---|
| Input / Output | 2 in 4 out | 2 in 6 out | 3 in 6 out | 4 in 8 out |
| THD+N | <0.0025% | | | |
| S/N | >112 dBA (A-Weighted) | | | |
| Frequency Response | +/-0.5dB (20Hz~20kHz) | | | |
| AD & DA Converters | 24bit-96kHz | | | |
| Max Input/Output Level | +20dB | | | |
| Parametric Equalization | Input 10-band，Output 10-band | | | |
| Filter Type | PEQ / Low-Shelf / Hi-Shelf / ALLPASS | | | |
| Crossover Section HPF/LPF | Butterworth 6/12/18/24/36/48dB per octave<br>Bessel 6/12/18/24/36/48dB per octave<br>Linkwitz-Riley 12/24/36/48dB per octave | | | |
| Mini fixed Delay | <2ms | | | |
| Delay | Input and Output Delay up to 1000ms | | | |
| Power | ~220V / 50 Hz | | | |
| Power Consumption | <20W | | | |
| Device Presets | User Presets: 23 | | | |
| Product size (Wx Dx H) | 483 *270 *45 mm | | | |

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