NLP88-AEC

8x8 Digital Audio Processor
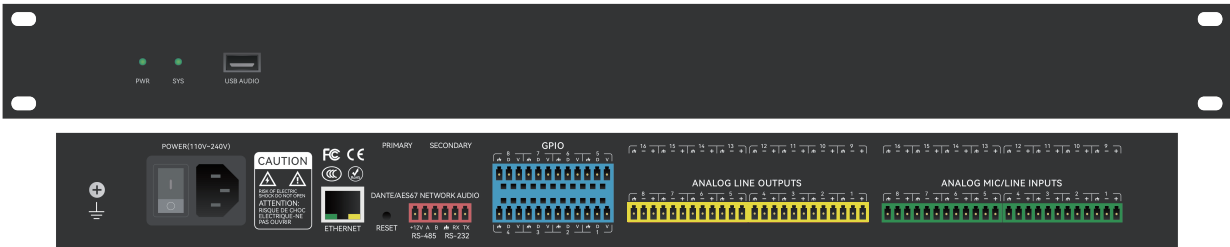
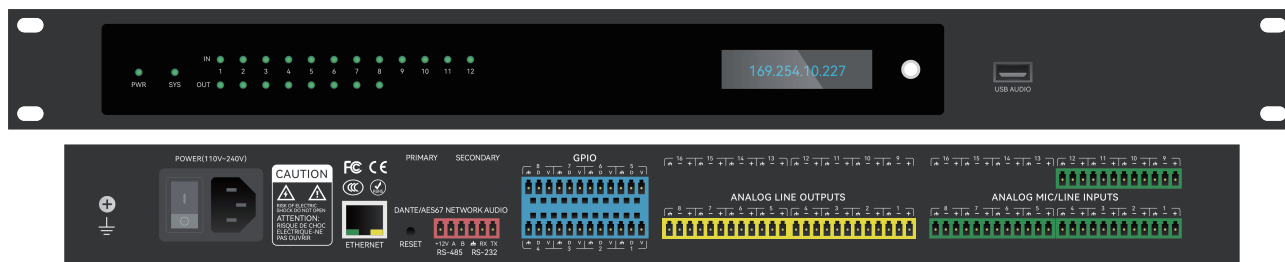(AEC) (ANS) (AMC) (AGC) (AFC)

Features

- A customized user interface needs to be provided;
- Requires built-in USB sound card to support recording and remote conferencing;
- The processor chip adopts ADI architecture, no less than 40bit DSP floating point operation engine, and provides free configuration software architecture;
- The number of analog input and output channels is not less than 8*8;
- Input and output quantization is no less than 48KHz/24bit;
- Input gain 3dB step, no less than 16 gears;
- No less than 8-band PEQ, and no less than five filter types available;
- No less than 4 channels of independent adaptive echo cancellation (AEC), noise suppression (ANS);
- Gain sharing automatic mixing (AMC),Automatic gain (AGC);
- camera tracking;
- Each channel should have no less than 16 points of adaptive feedback suppression (AFC);
- Support input and output channel LINK and grouping functions;
- The frequency response range is not less than 20～20kHz (±0.3dB);

Specifications

Processor	ADI SHARC 21489@450 MHz SIMD x2	THD+N	<-95dB @17dBu
Sampling rate/quantization bits	48K/24bit	Input dynamic range	113dB
Number of analog input and output channels	8x8	Output dynamic range	113dB
		Channel isolation @1kHz	108dB
Number of DANTE input and output channels	8x8	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 delay	<3ms
Phantom power	+48V/10mA max	Working power supply	110-240VAC 50/60Hz
Frequency response(20~20kHz)	±0.3dB	Dimensions (width x depth x height)	482 x 260 x 45mm
Maximum level	+18dBu	Shipping weight	4KG

NLP1208–AI

12x8 Digital Audio Processor

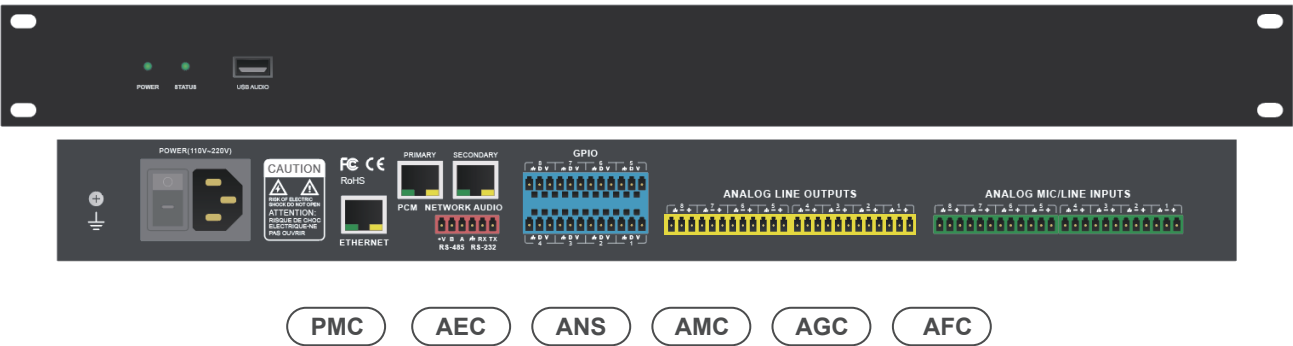(AEC) (ANS) (AMC) (AGC) (AFC)

Features

- A customized user interface needs to be provided;
- Requires built–in USB sound card to support recording and remote conferencing;
- The processor chip adopts ADI architecture, no less than 40bit DSP floating point operation engine, and provides an open architecture;
- AI noise reduction: The AI noise reduction function based on width learning can intelligently eliminate environmental noise such as turning books,writing, knocking on tables, fans, etc., and achieve non–human voice signal separation;
- Width learning (100,000 hours): The network structure continues to change with learning, and the number of network nodes can be dynamicallyadjust– ed, making it easy to implement online learning with extremely low latency;
- Third–party devices can be controlled through this machine;
- The number of analog input and output channels is not less than 12*8;
- Input and output quantization is no less than 48KHz/24bit;
- Input gain 3dB step, no less than 16 gears;
- No less than 8–band PEQ, and no less than five filter types available;
- Adaptive Echo Cancellation (AEC), Noise Suppression (ANS);
- Gain sharing automatic mixing (AMC),Automatic gain (AGC);
- camera tracking;
- Each channel should have no less than 16 points of adaptive feedback suppression (AFC);
- Support input and output channel LINK and grouping functions;
- The frequency response range is not less than 20～20kHz (±0.3dB);

Specifications

Processor	ADI SHARC 21489	THD+N	<–95dB @17dBu
Sampling rate/quantization bits	48K/24bit	Input dynamic range	110dB
Number of analog input and output channels	12x8	Output dynamic range	112dB
		Channel isolation @1kHz	108dB
Number of DANTE input and output channels	12x8	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 delay	<3ms
Phantom power	+48V/10mA max	Working power supply	AC110~240V, 50Hz/60Hz
Frequency response(20~20kHz)	±0.3dB	Dimensions (width x depth x height)	482 x 260 x 45mm
Maximum level	+18dBu	Shipping weight	4KG

NLP88–PCM

8x8 Digital Audio Processor

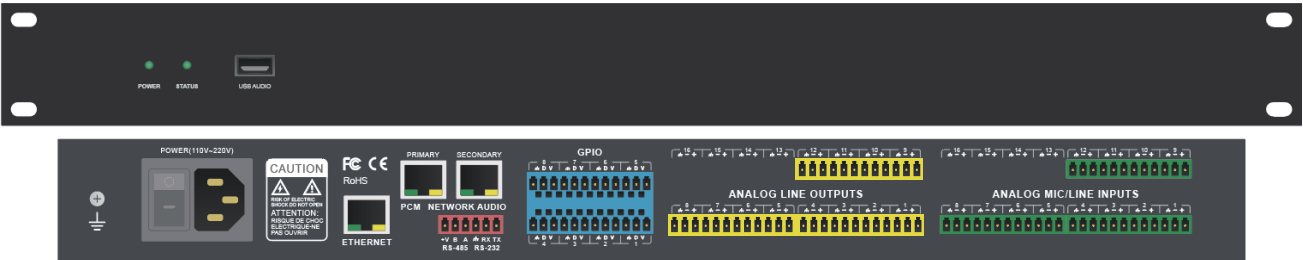PMC · AEC · ANS · AMC · AGC · AFC

▌ Features

- A customized user interface needs to be provided;
- Requires built–in USB sound card to support recording and remote conferencing;
- The processor chip adopts ADI architecture, no less than 40bit DSP floating point operation engine, and provides free configuration software architecture;
- The number of analog input and output channels is not less than 8*8;
- The number of PCM output channels is not less than 8;
- DSP input and output quantization is no less than 48KHz/24bit;
- PCM output sampling rate/quantization bits are not less than 16KHz/16bit；
- Input gain 3dB step, no less than 16 gears;
- No less than 12–band PEQ, and no less than five filter types available;
- Adaptive Echo Cancellation (AEC), Noise Suppression (ANS);
- Gain sharing automatic mixing (AMC), gate automatic mixing (Gate Mixer);
- Automatic gain (AGC);
- Noise Gain Compensator (ANC)；
- camera tracking;
- Each channel should have no less than 16 points of adaptive feedback suppression (AFC);
- Support input and output channel LINK and grouping functions;
- The frequency response range is not less than 20～20kHz (±0.3dB);

▌ Specifications

Processor	ADI SHARC 21489	THD+N	<–95dB @17dBu
Sampling rate/quantization bits	48K/24bit	Input dynamic range	113dB
Number of analog input and output channels	8x8	Output dynamic range	113dB
		Channel isolation @1kHz	108dB
Number of DANTE input and output channels	8x8	Input impedance (balanced connection)	5.4KΩ
		Output impedance (balanced connection)	600Ω
Input gain	0/3/6/9/12/15/18/21/24/27/30/33/36/39/42/45/48 dBu	System delay	<3ms
Phantom power	+48V/10mA max	Working power supply	AC110~240V, 50Hz/60Hz
Frequency response(20~20kHz)	±0.3dB	Dimensions (width x depth x height)	482 x 260 x 45mm
Maximum level	+18dBu	Shipping weight	4KG

NLP1212–PCM

12x12 Digital Audio Processor

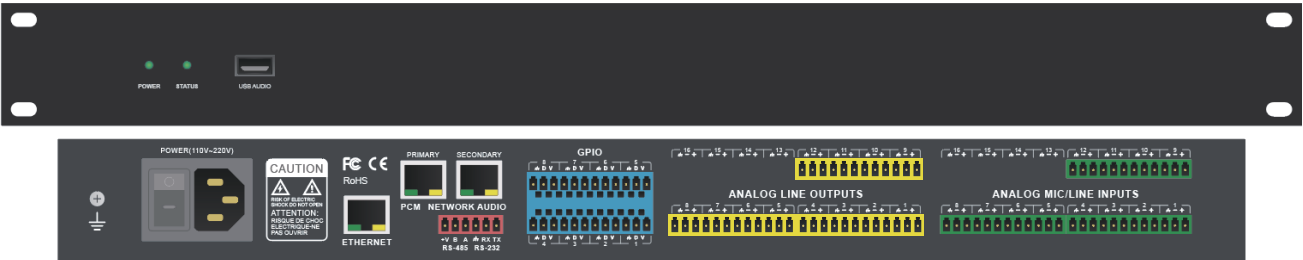PMC AEC ANS AMC AGC AFC

▌Features

- A customized user interface needs to be provided;
- Requires built–in USB sound card to support recording and remote conferencing;
- The processor chip adopts ADI architecture, no less than 40bit DSP floating point operation engine, and provides free configuration software architec–ture;
- The number of analog input and output channels is not less than 12*12;
- The number of PCM output channels is not less than 12;
- DSP input and output quantization is no less than 48KHz/24bit;
- PCM output sampling rate/quantization bits are not less than 16KHz/16bit；
- Input gain 3dB step, no less than 16 gears;
- No less than 12–band PEQ, and no less than five filter types available;
- Adaptive Echo Cancellation (AEC), Noise Suppression (ANS);
- Gain sharing automatic mixing (AMC), gate automatic mixing (Gate Mixer);
- Automatic gain (AGC);
- Noise Gain Compensator (ANC);
- camera tracking;
- Each channel should have no less than 16 points of adaptive feedback suppression (AFC);
- Support input and output channel LINK and grouping functions;
- The frequency response range is not less than 20~20kHz (±0.3dB);

▌Specifications

Processor	ADI SHARC 21489 x 2	THD+N	<–95dB @17dBu
Sampling rate/quantization bits	48K/24bit	Input dynamic range	113dB
Number of analog input and output channels	8x8	Output dynamic range	113dB
		Channel isolation @1kHz	108dB
Number of DANTE input and output channels	8x8	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 delay	<3ms
Phantom power	+48V/10mA max	Working power supply	AC110~240V, 50Hz/60Hz
Frequency response(20~20kHz)	±0.3dB	Dimensions (width x depth x height)	482 x 260 x 45mm
Maximum level	+18dBu	Shipping weight	4KG

NLP1616–PCM

16x16 Digital Audio Processor

PMC   AEC   ANS   AMC   AGC   AFC

Features

- A customized user interface needs to be provided;
- Requires built–in USB sound card to support recording and remote conferencing;
- The processor chip adopts ADI architecture, no less than 40bit DSP floating point operation engine, and provides free configuration software architecture;
- The number of analog input and output channels is not less than 16*16;
- The number of PCM output channels is not less than 16;
- DSP input and output quantization is no less than 48KHz/24bit;
- PCM output sampling rate/quantization bits are not less than 16KHz/16bit
- Input gain 3dB step, no less than 16 gears;
- No less than 12–band PEQ, and no less than five filter types available;
- Adaptive Echo Cancellation (AEC), Noise Suppression (ANS);
- Gain sharing automatic mixing (AMC), gate automatic mixing (Gate Mixer);
- Automatic gain (AGC);
- Noise Gain Compensator (ANC)
- camera tracking;
- Each channel should have no less than 16 points of adaptive feedback suppression (AFC);
- Support input and output channel LINK and grouping functions;
- The frequency response range is not less than 20～20kHz (±0.3dB);

Specifications

Processor	ADI SHARC 21489 x 2	THD+N	<–95dB @17dBu
Sampling rate/quantization bits	48K/24bit	Input dynamic range	113dB
Number of analog input and output channels	16x16	Output dynamic range	113dB
		Channel isolation @1kHz	108dB
Number of DANTE input and output channels	16x16	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 delay	<3ms
Phantom power	+48V/10mA max	Working power supply	AC110~240V, 50Hz/60Hz
Frequency response(20~20kHz)	±0.3dB	Dimensions (width x depth x height)	482 x 260 x 45mm
Maximum level	+18dBu	Shipping weight	4KG