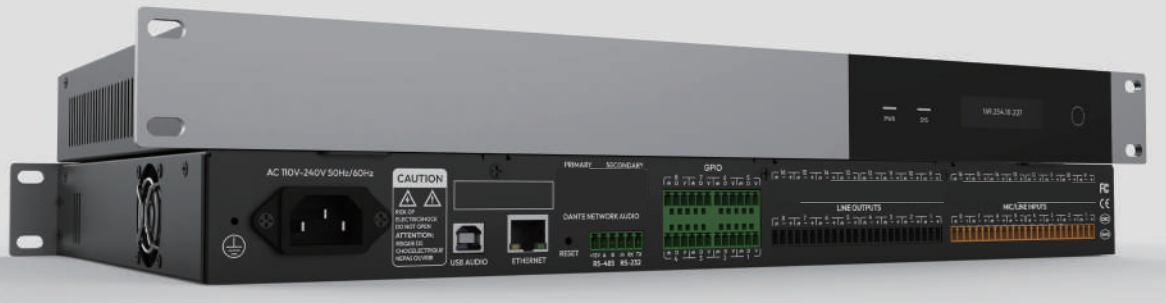
RNN88

Drag-and-drop DSP Matrix Series

8in/8out



Features

Multi-scenario Drag-and-drop Architecture

Multi-scene open platform. You can select the corresponding scenario, and then the necessary modules for the scenario will appear automatically. Based on this, you can put the DSP modules into the signal path according to your needs.

Automatic Attach Wiring

When entering programming after selecting a mode, you can complete the programming by dragging the module to the corresponding node, without the need to remove wires and reconnect them.

Advanced Audio Processing Technology

Built-in multi-channel AEC, adaptive filter, FIR and other algorithms to meet different needs, to ensure the quality and stability.

DSP Module Color Indication

The system uses two colors to distinguish between the "ON" and "OFF" states of module signals, making it easier to identify issues.

Scenario Adaptation and Simultaneous Operation

There are 3 deployments to choose from according to your needs: local meeting, local + remote meeting, and BGM system. At the same time, multiple DSPs can be operated and managed in one single program file, and you can copy and paste parameters across devices.

Various Control Methods

Support RS-232, RS-485, UDP control. The DSP also provides overall control ability of audio, signal switching, power, and environment in the system.

Dual-machine hot backup

It supports dual-machine hot backup function, and uses the detection heartbeat packet mechanism to detect each other through network or serial port protocols, and automatically switch when the device fails. At the same time, manual switch is supported to ensure the safety and stability of system operation.

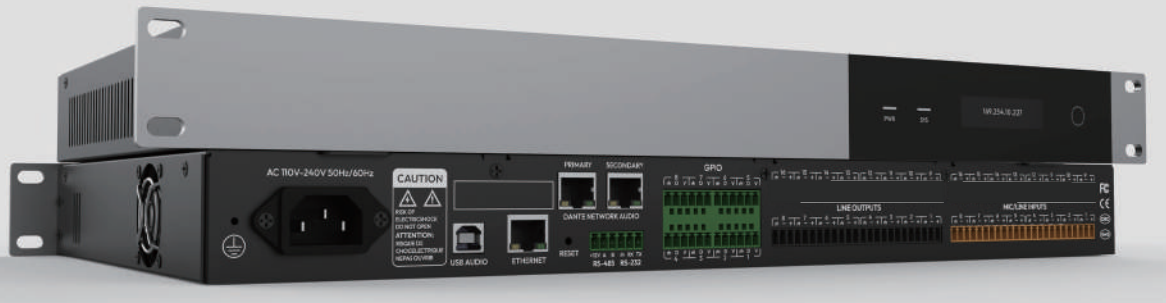
Specifications

Processor	ADI SHARC 21569@1GHz SIMDx2
Analog Input/Output Channels	8x8
Preamp Adjustment	0/3/6/9/12/15/18/21/24/27/30 33/36/39/42/45/48 dB
Phantom Power	48Vmax
Frequency Respond	20Hz~20kHz（+0.05/-0.5 dB）
Maximum Level	+18dBu
Sampling Rate	48 kHz
AD\DA Quantization Bit Depth	24Bit
THD+N	≤0.002%(1kHz,+4dBu, A-weighted)
Noise	≤-95dBu(A-weighted)
Input Dynamic Range	≥113dB
Output Dynamic Range	≥113dB
Common-mode Rejection Ratio	＞67dB@1kHz，0dBu
Output Channel Crosstalk	-120dB@1kHz
Input Impedance (Balanced Connection)	5.4KΩ
Output Impedance (Balanced Connection)	100Ω
Operating Power Supply	110-240V AC，50Hz/60Hz
Shipping Wight (N.W./G.W.)	2.90KG/3.88KG
Dimensions (WxDxH)	482x260x44mm

RNN88D

Drag-and-drop DSP Matrix Series

8in/8out



Features

Multi-scenario Drag-and-drop Architecture

Multi-scene open platform. You can select the corresponding scenario, and then the necessary modules for the scenario will appear automatically. Based on this, you can put the DSP modules into the signal path according to your needs.

Automatic Attach Wiring

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Advanced Audio Processing Technology

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DSP Module Color Indication

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Various Control Methods

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Dual-machine hot backup

It supports dual-machine hot backup function, and uses the detection heartbeat packet mechanism to detect each other through network or serial port protocols, and automatically switch when the device fails. At the same time, manual switch is supported to ensure the safety and stability of system operation.

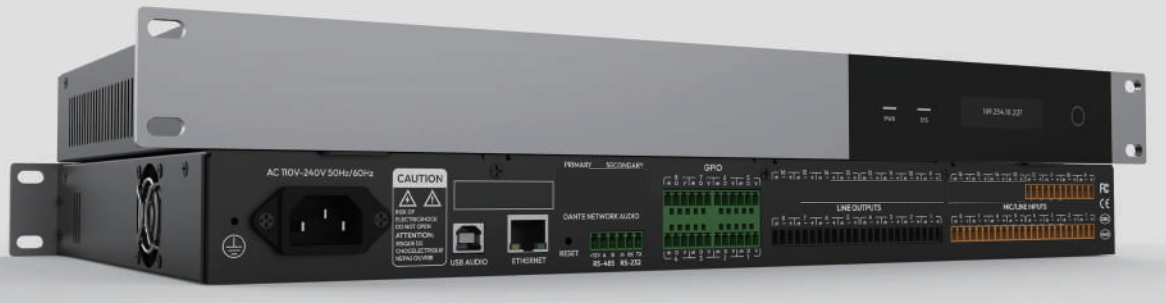
Specifications

Processor	ADI SHARC 21569@1GHz SIMDx2
Analog Input/Output Channels	8x8
Dante\AES67 input/output channels	32x32
Preamp Adjustment	0/3/6/9/12/15/18/21/24/27/30 33/36/39/42/45/48 dB
Phantom Power	48Vmax
Frequency Respond	20Hz~20kHz（+0.05/-0.5 dB）
Maximum Level	+18dBu
Sampling Rate	48 kHz
AD\DA Quantization Bit Depth	24Bit
THD+N	≤0.002%(1kHz,+4dBu, A-weighted)
Noise	≤-95dBu(A-weighted)
Input Dynamic Range	≥113dB
Output Dynamic Range	≥113dB
Common-mode Rejection Ratio	＞67dB@1kHz，0dBu
Output Channel Crosstalk	-120dB@1kHz
Input Impedance (Balanced Connection)	5.4KΩ
Output Impedance (Balanced Connection)	100Ω
Operating Power Supply	110-240V AC，50Hz/60Hz
Shipping Wight (N.W./G.W.)	2.97KG/3.95KG
Dimensions (WxDxH)	482x260x44mm

RNN1208

Drag-and-drop DSP Matrix Series

12in/8out



Features

Multi-scenario Drag-and-drop Architecture

Multi-scene open platform. You can select the corresponding scenario, and then the necessary modules for the scenario will appear automatically. Based on this, you can put the DSP modules into the signal path according to your needs.

Automatic Attach Wiring

When entering programming after selecting a mode, you can complete the programming by dragging the module to the corresponding node, without the need to remove wires and reconnect them.

Advanced Audio Processing Technology

Built-in multi-channel AEC, adaptive filter, FIR and other algorithms to meet different needs, to ensure the quality and stability.

DSP Module Color Indication

The system uses two colors to distinguish between the "ON" and "OFF" states of module signals, making it easier to identify issues.

Scenario Adaptation and Simultaneous Operation

There are 3 deployments to choose from according to your needs: local meeting, local + remote meeting, and BGM system. At the same time, multiple DSPs can be operated and managed in one single program file, and you can copy and paste parameters across devices.

Various Control Methods

Support RS-232, RS-485, UDP control. The DSP also provides overall control ability of audio, signal switching, power, and environment in the system.

Dual-machine hot backup

It supports dual-machine hot backup function, and uses the detection heartbeat packet mechanism to detect each other through network or serial port protocols, and automatically switch when the device fails. At the same time, manual switch is supported to ensure the safety and stability of system operation.

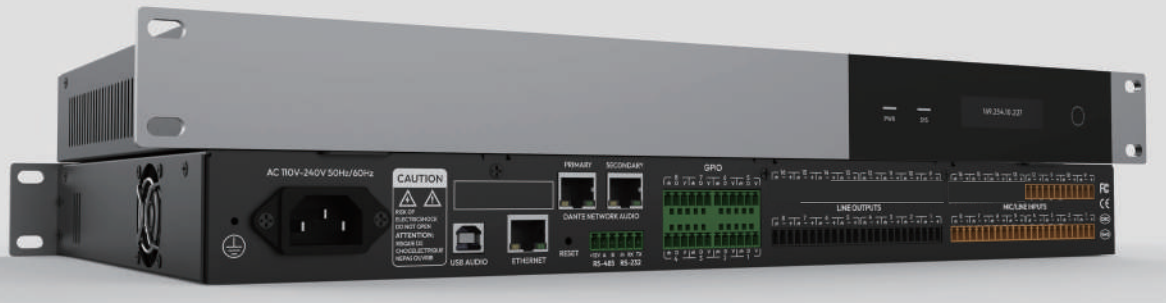
Specifications

Processor	ADI SHARC 21569@1GHz SIMDx2
Analog Input/Output Channels	12x8
Preamp Adjustment	0/3/6/9/12/15/18/21/24/27/30 33/36/39/42/45/48 dB
Phantom Power	48Vmax
Frequency Respond	20Hz~20kHz（+0.05/-0.5 dB）
Maximum Level	+18dBu
Sampling Rate	48 kHz
AD\DA Quantization Bit Depth	24Bit
THD+N	≤0.002%(1kHz,+4dBu, A-weighted)
Noise	≤-95dBu(A-weighted)
Input Dynamic Range	≥113dB
Output Dynamic Range	≥113dB
Common-mode Rejection Ratio	＞67dB@1kHz，0dBu
Output Channel Crosstalk	-120dB@1kHz
Input Impedance (Balanced Connection)	5.4KΩ
Output Impedance (Balanced Connection)	100Ω
Operating Power Supply	110-240V AC，50Hz/60Hz
Shipping Wight (N.W./G.W.)	2.5KG/3.41KG
Dimensions (WxDxH)	482x260x44mm

RNN1208D

Drag-and-drop DSP Matrix Series

12in/8out



Features

Multi-scenario Drag-and-drop Architecture

Multi-scene open platform. You can select the corresponding scenario, and then the necessary modules for the scenario will appear automatically. Based on this, you can put the DSP modules into the signal path according to your needs.

Automatic Attach Wiring

When entering programming after selecting a mode, you can complete the programming by dragging the module to the corresponding node, without the need to remove wires and reconnect them.

Advanced Audio Processing Technology

Built-in multi-channel AEC, adaptive filter, FIR and other algorithms to meet different needs, to ensure the quality and stability.

DSP Module Color Indication

The system uses two colors to distinguish between the "ON" and "OFF" states of module signals, making it easier to identify issues.

Scenario Adaptation and Simultaneous Operation

There are 3 deployments to choose from according to your needs: local meeting, local + remote meeting, and BGM system. At the same time, multiple DSPs can be operated and managed in one single program file, and you can copy and paste parameters across devices.

Various Control Methods

Support RS-232, RS-485, UDP control. The DSP also provides overall control ability of audio, signal switching, power, and environment in the system.

Dual-machine hot backup

It supports dual-machine hot backup function, and uses the detection heartbeat packet mechanism to detect each other through network or serial port protocols, and automatically switch when the device fails. At the same time, manual switch is supported to ensure the safety and stability of system operation.

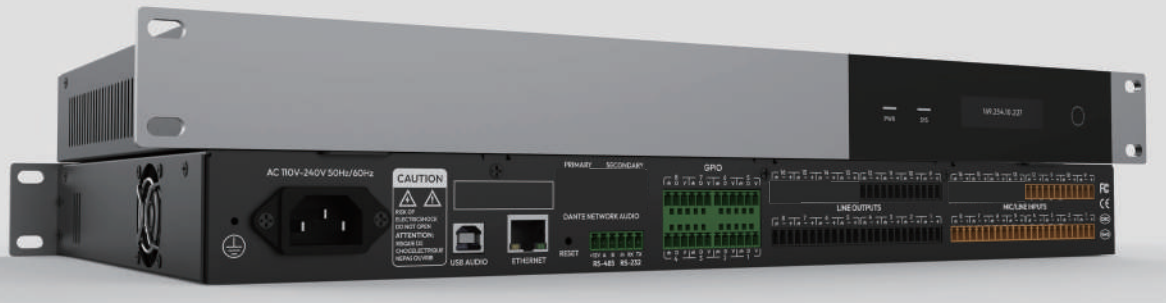
Specifications

Processor	ADI SHARC 21569@1GHz SIMDx2
Analog Input/Output Channels	12x8
Dante\AES67 input/output channels	32x32
Preamp Adjustment	0/3/6/9/12/15/18/21/24/27/30 33/36/39/42/45/48 dB
Phantom Power	48Vmax
Frequency Respond	20Hz~20kHz（+0.05/-0.5 dB）
Maximum Level	+18dBu
Sampling Rate	48 kHz
AD\DA Quantization Bit Depth	24Bit
THD+N	≤0.002%(1kHz,+4dBu, A-weighted)
Noise	≤-95dBu(A-weighted)
Input Dynamic Range	≥113dB
Output Dynamic Range	≥113dB
Common-mode Rejection Ratio	＞67dB@1kHz，0dBu
Output Channel Crosstalk	-120dB@1kHz
Input Impedance (Balanced Connection)	5.4KΩ
Output Impedance (Balanced Connection)	100Ω
Operating Power Supply	110-240V AC，50Hz/60Hz
Shipping Wight (N.W./G.W.)	3.14KG/4.14KG
Dimensions (WxDxH)	482x260x44mm

RNN1212

Drag-and-drop DSP Matrix Series

12in/12out



Features

Multi-scenario Drag-and-drop Architecture

Multi-scene open platform. You can select the corresponding scenario, and then the necessary modules for the scenario will appear automatically. Based on this, you can put the DSP modules into the signal path according to your needs.

Automatic Attach Wiring

When entering programming after selecting a mode, you can complete the programming by dragging the module to the corresponding node, without the need to remove wires and reconnect them.

Advanced Audio Processing Technology

Built-in multi-channel AEC, adaptive filter, FIR and other algorithms to meet different needs, to ensure the quality and stability.

DSP Module Color Indication

The system uses two colors to distinguish between the "ON" and "OFF" states of module signals, making it easier to identify issues.

Scenario Adaptation and Simultaneous Operation

There are 3 deployments to choose from according to your needs: local meeting, local + remote meeting, and BGM system. At the same time, multiple DSPs can be operated and managed in one single program file, and you can copy and paste parameters across devices.

Various Control Methods

Support RS-232, RS-485, UDP control. The DSP also provides overall control ability of audio, signal switching, power, and environment in the system.

Dual-machine hot backup

It supports dual-machine hot backup function, and uses the detection heartbeat packet mechanism to detect each other through network or serial port protocols, and automatically switch when the device fails. At the same time, manual switch is supported to ensure the safety and stability of system operation.

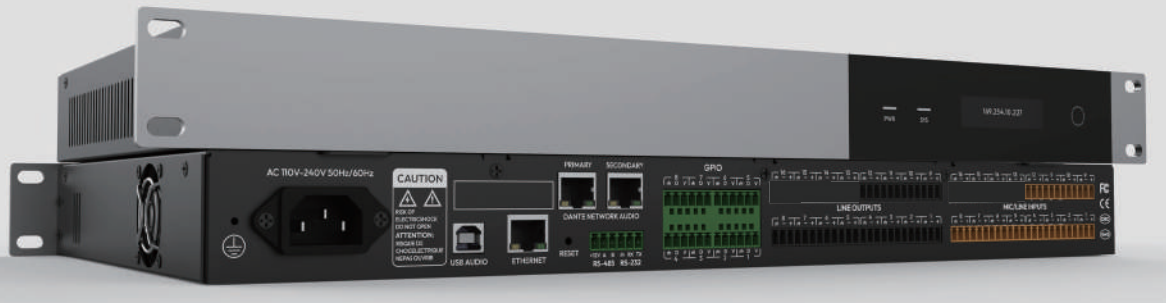
Specifications

Processor	ADI SHARC 21569@1GHz SIMDx2
Analog Input/Output Channels	12x12
Preamp Adjustment	0/3/6/9/12/15/18/21/24/27/30 33/36/39/42/45/48 dB
Phantom Power	48Vmax
Frequency Respond	20Hz~20kHz（+0.05/-0.5 dB）
Maximum Level	+18dBu
Sampling Rate	48 kHz
AD\DA Quantization Bit Depth	24Bit
THD+N	≤0.002%(1kHz,+4dBu, A-weighted)
Noise	≤-95dBu(A-weighted)
Input Dynamic Range	≥113dB
Output Dynamic Range	≥113dB
Common-mode Rejection Ratio	＞67dB@1kHz，0dBu
Output Channel Crosstalk	-120dB@1kHz
Input Impedance (Balanced Connection)	5.4KΩ
Output Impedance (Balanced Connection)	100Ω
Operating Power Supply	110-240V AC，50Hz/60Hz
Shipping Wight (N.W./G.W.)	3.10KG/4.10KG
Dimensions (WxDxH)	482x260x44mm

RNN1212D

Drag-and-drop DSP Matrix Series

12in/12out



Features

Multi-scenario Drag-and-drop Architecture

Multi-scene open platform. You can select the corresponding scenario, and then the necessary modules for the scenario will appear automatically. Based on this, you can put the DSP modules into the signal path according to your needs.

Automatic Attach Wiring

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Advanced Audio Processing Technology

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Various Control Methods

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It supports dual-machine hot backup function, and uses the detection heartbeat packet mechanism to detect each other through network or serial port protocols, and automatically switch when the device fails. At the same time, manual switch is supported to ensure the safety and stability of system operation.

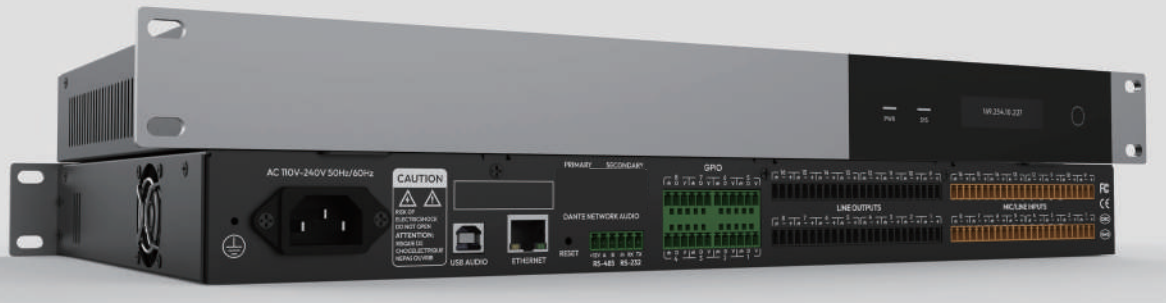
Specifications

Processor	ADI SHARC 21569@1GHz SIMDx2
Analog Input/Output Channels	12x12
Dante\AES67 input/output channels	32x32
Preamp Adjustment	0/3/6/9/12/15/18/21/24/27/30 33/36/39/42/45/48 dB
Phantom Power	48Vmax
Frequency Respond	20Hz~20kHz（+0.05/-0.5 dB）
Maximum Level	+18dBu
Sampling Rate	48 kHz
AD\DA Quantization Bit Depth	24Bit
THD+N	≤0.002%(1kHz,+4dBu, A-weighted)
Noise	≤-95dBu(A-weighted)
Input Dynamic Range	≥113dB
Output Dynamic Range	≥113dB
Common-mode Rejection Ratio	＞67dB@1kHz，0dBu
Output Channel Crosstalk	-120dB@1kHz
Input Impedance (Balanced Connection)	5.4KΩ
Output Impedance (Balanced Connection)	100Ω
Operating Power Supply	110-240V AC，50Hz/60Hz
Shipping Wight (N.W./G.W.)	3.15KG/4.15KG
Dimensions (WxDxH)	482x260x44mm

RNN1616

Drag-and-drop DSP Matrix Series

16in/16out



Features

Multi-scenario Drag-and-drop Architecture

Multi-scene open platform. You can select the corresponding scenario, and then the necessary modules for the scenario will appear automatically. Based on this, you can put the DSP modules into the signal path according to your needs.

Automatic Attach Wiring

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It supports dual-machine hot backup function, and uses the detection heartbeat packet mechanism to detect each other through network or serial port protocols, and automatically switch when the device fails. At the same time, manual switch is supported to ensure the safety and stability of system operation.

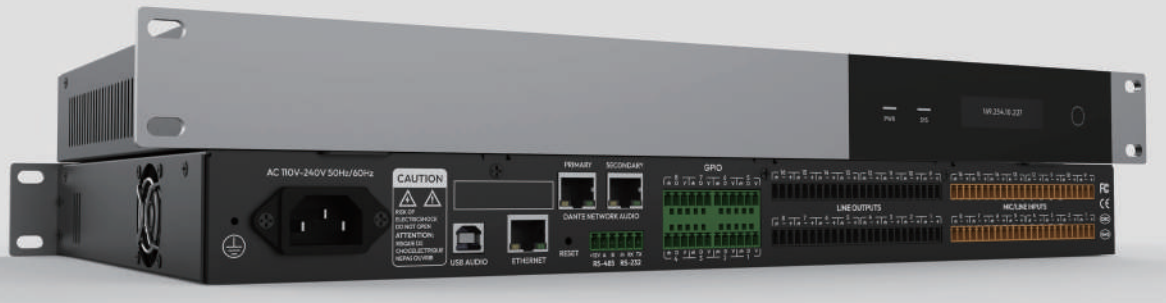
Specifications

Processor	ADI SHARC 21569@1GHz SIMDx2
Analog Input/Output Channels	16x16
Preamp Adjustment	0/3/6/9/12/15/18/21/24/27/30 33/36/39/42/45/48 dB
Phantom Power	48Vmax
Frequency Respond	20Hz~20kHz（+0.05/-0.5 dB）
Maximum Level	+18dBu
Sampling Rate	48 kHz
AD\DA Quantization Bit Depth	24Bit
THD+N	≤0.002%(1kHz,+4dBu, A-weighted)
Noise	≤-95dBu(A-weighted)
Input Dynamic Range	≥113dB
Output Dynamic Range	≥113dB
Common-mode Rejection Ratio	＞67dB@1kHz，0dBu
Output Channel Crosstalk	-120dB@1kHz
Input Impedance (Balanced Connection)	5.4KΩ
Output Impedance (Balanced Connection)	100Ω
Operating Power Supply	110-240V AC，50Hz/60Hz
Shipping Wight (N.W./G.W.)	3.10KG/4.10KG
Dimensions (WxDxH)	482x260x44mm

RNN1616D

Drag-and-drop DSP Matrix Series

16in/16out



Features

Multi-scenario Drag-and-drop Architecture

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Specifications

Processor	ADI SHARC 21569@1GHz SIMDx2
Analog Input/Output Channels	16x16
Dante\AES67 input/output channels	32x32
Preamp Adjustment	0/3/6/9/12/15/18/21/24/27/30 33/36/39/42/45/48 dB
Phantom Power	48Vmax
Frequency Respond	20Hz~20kHz（+0.05/-0.5 dB）
Maximum Level	+18dBu
Sampling Rate	48 kHz
AD\DA Quantization Bit Depth	24Bit
THD+N	≤0.002%(1kHz,+4dBu, A-weighted)
Noise	≤-95dBu(A-weighted)
Input Dynamic Range	≥113dB
Output Dynamic Range	≥113dB
Common-mode Rejection Ratio	＞67dB@1kHz，0dBu
Output Channel Crosstalk	-120dB@1kHz
Input Impedance (Balanced Connection)	5.4KΩ
Output Impedance (Balanced Connection)	100Ω
Operating Power Supply	110-240V AC，50Hz/60Hz
Shipping Wight (N.W./G.W.)	3.18KG/4.20KG
Dimensions (WxDxH)	482x260x44mm