

会议
甄选

TPCN | 特谱声智能
专业音频 OEM/ODM制造商

DSP处理器设备
DSP PROCESSOR EQUIPMENT

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经销商：



数字音频产品

DIGITAL AUDIO PRODUCTS

品牌基于互联网思维，为客户提供特别的谱曲及声音，为更好地服务
市场需求，只有不断创新的企业，方能始终屹立于产业之巅！

BRAND BASED ON THE INTERNET THINKING, TO PROVIDE CUSTOMERS WITH SPECIAL MUSIC AND
SOUND, IN ORDER TO BETTER SERVE THE MARKET DEMAND, ONLY CONTINUOUS INNOVATION OF
ENTERPRISES, CAN ALWAYS STAND IN THE TOP OF THE INDUSTRY!

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企业概况

ENTERPRISE PROFILE

广东特谱声智能科技有限公司，创立于2021年，是一家专业音频信号处模块式设计领航者，主要承接单品的OEM/ODM方案供应商，我们始终坚持以研发为根本、以技术为核心，基于我们的核心音频算法为客户提供会议、公检法、教育、部队、大屏等应用场景的网络音频单品输出，主营产品包括反馈抑制器、数字音频处理器、数字合并式功率放大器、数字会议主机及话筒等单品方案并提供产品模块等系列产品。

GUANGDONG TERPU SOUND INTELLIGENT TECHNOLOGY CO., LTD., FOUNDED IN 2021, IS A PROFESSIONAL AUDIO SIGNAL MODULE DESIGN LEADER, MAINLY TO UNDERTAKE SINGLE PRODUCT OEM/ODM SOLUTION SUPPLIERS, WE ALWAYS ADHERE TO RESEARCH AND DEVELOPMENT AS THE FOUNDATION, TECHNOLOGY AS THE CORE, BASED ON OUR CORE AUDIO ALGORITHM TO PROVIDE CUSTOMERS WITH CONFERENCE, PUBLIC SECURITY LAW, EDUCATION, MILITARY, LARGE SCREEN AND OTHER APPLICATION SCENARIOS OF NETWORK AUDIO OUTPUT, THE MAIN PRODUCTS INCLUDE FEEDBACK SUPPRESSOR, DIGITAL AUDIO PROCESSOR, DIGITAL INTEGRATED POWER AMPLIFIER, DIGITAL CONFERENCE HOST AND MICROPHONE AND OTHER SINGLE PRODUCT SOLUTIONS AND PROVIDE PRODUCT MODULES AND OTHER PRODUCTS.



数字音频处理器 (8in 8out)

Digital Audio Processor (8in 8out)

SC-0808D

01



产品特性Product characteristics

- 8路平衡式话筒 / 线路输入，具有48V幻象供电软开关
- 8路平衡式线路输出
- 提供24bit/48kHz的杰出音质
- 优化的前级增益，具有0dB,10dB,20dB,30dB,40dB多级调节，适用MIC和LINE电平
- USB2.0音频接口，支持接U盘录制和播放
- 自适应反馈消除AFC，高速浮点的数字算法为每路麦克风提供反馈抑制，抑制系统啸叫
- 自动增益控制AGC，确保音响系统的输出音量平稳，不受演讲者距话筒忽远忽近而影响观众区的音量
- 智能闪避器DUCKER，可通过话筒轻松压制背景音乐信号，更突显人声
- 即时响应的限幅器，可完美保护后级设备
- 增益分享型自动混音AM，轻松管理多支麦克风组合输出
- 自适应回声消除AEC，快速消除视频会议中产生的回声
- 多种参量均衡类型可选，包括PEQ、High-Shelf、Low-Shelf、LP、HP,可灵活应用于更多的场合
- 自带中文操作WEB，直观、图形化软件控制界面
- 灵活多样的控制方式：以太网口轻松连接电脑及其他网络设备
- 开放的第三方控制协议，通过UDP或RS-232管理、控制音频处理器

- 8 balanced microphone/line inputs with 48V phantom power supply soft switch
- 8 balanced line outputs
- Provides outstanding sound quality of 24bit/48kHz
- Optimized front-end gain with 0dB,10dB,20dB,30dB,40dB multistage adjustment for MIC and LINE levels
- USB2.0 audio port, supporting USB flash drive recording and playback
- Adaptive feedback eliminates AFC, high-speed floating-point digital algorithms provide feedback suppression for each microphone, suppressing system whistling
- Automatic gain control (AGC) ensures that the output volume of the sound system is smooth and does not affect the volume of the audience area due to the speaker's distance from the microphone
- DUCKER, a smart dodging device, can easily suppress background music signals through the microphone to highlight human voices
- Instant response limiter for perfect protection of back-end equipment
- Gain sharing automatic mixing AM, easy to manage the output of multiple mics
- Adaptive Echo cancellation AEC quickly eliminates echoes generated in video conferences
- A variety of parameter balancing types are available, including PEQ, High-Shelf, Low-Shelf, LP, HP, which can be flexibly applied to more occasions
- Come with Chinese operation WEB, intuitive, graphical software control interface
- Flexible and diverse control methods: Ethernet port easily connects to computers and other network devices
- An open third-party control protocol for managing and controlling audio processors over UDP or RS-232

技术参数Technical parameter

- 存储：预设50组
- 输入通道功能：前置放大、信号发生器、扩展器、压缩器、10段参量均衡具有PEQ、High-Shelf、Low-Shelf、LP、HP等类型可选
- 输出通道功能：10/15/31段参量均衡、延时器、分频器、高低通滤波器、限幅器
- 自适应回声消除（AEC）：回声消除尾长：128ms/256ms/512ms可选
- 内置ANC噪声消除量：18dB，MAX
- 自适应反馈消除（AFC）：抑制点数：12点/16点可选，具有手动、动态、固定三种处理方式，多种模式可选
- 采样频率：48kHz
- 输入到输出动态范围：>106dB，A计权（20Hz-20kHz@0dB增益）
- 幻像供电：DC 48±6V,10mA
- 输入共模抑制：≥60dBu@+20dBu,60Hz
- 通道隔离度：≤-105dB@+20dBu，1KHz
- 频率响应：20Hz~20kHz (±0.5dB)
- 本底噪(A-计权):-90dBu
- 总谐波失真(THD+N)：≤0.005%@1kHz，+4dBu
- 最大输入增益：40dB
- 输入阻抗：2KΩ balance
- 输出阻抗：200Ω balance
- 最大输出电平：20dBu
- 工作电压：110~220VAC±10%，50~60Hz
- 功率：35W
- 尺寸（宽×深×高）：裸机482.8*180*44 单位mm
- 重量：裸机2.3kg

- Storage: 50 groups are preset
- Input channel function: pre-amplification, signal generator, expander, compressor, 10-segment parameter equalization with PEQ, High-Shelf, Low-Shelf, LP, HP and other types of options
- Output channel functions: 10/15/31 parametric equalization, delay, frequency divider, high-low pass filter, limiter
- Adaptive Echo cancellation (AEC) : Echo cancellation tail length: 128ms/256ms/512ms Optional
- Built-in ANC noise cancellation: 18dB, MAX
- Adaptive feedback elimination (AFC) : Suppress points: 12 points /16 points optional, with manual, dynamic, fixed three processing methods, multiple modes optional
- Sampling frequency: 48kHz
- Input to output dynamic range: >106dB, A weight (20Hz-20kHz@0dB gain)
- Phantom power supply: DC 48±6V,10mA
- Input common-mode suppression: ≥60dBu@+20dBu,60Hz
- Channel isolation: ≤-105db@+20dBu,1KHz
- Frequency response: 20Hz ~ 20kHz (±0.5dB)
- Background noise (A-weight): -90DBU
- Total harmonic distortion (THD+N) : ≤0.005%@1kHz, +4dBu
- Maximum input gain: 40dB
- Input impedance: 2KΩ balance
- Output impedance: 200Ω balance
- Maximum output level: 20dBu
- Working voltage: 110~220VAC±10%, 50~60Hz
- Power: 35W
- Size (W x D x H) : bare machine 482.8*180*44 unit mm
- Weight: bare machine 2.3kg

数字音频处理器 (16in 16out)

Digital Audio Processor (16in 16out)

SC-1616D

02



产品特性Product characteristics

- 16路平衡式话筒 / 线路输入，具有48V幻象供电软开关
- 16路平衡式线路输出
- 提供24bit/48kHz的杰出音质
- 优化的前级增益，具有0dB,10dB,20dB,30dB,40dB多级调节，适用MIC和LINE电平
- USB2.0音频接口，支持接U盘录制和播放
- 自适应反馈消除AFC，高速浮点的数字算法为每路麦克风提供反馈抑制，抑制系统啸叫
- 自动增益控制AGC，确保音响系统的输出音量平稳，不受演讲者距话筒忽远忽近而影响观众区的音量
- 智能闪避器DUCKER，可通过话筒轻松压制背景音乐信号，更突显人声
- 即时响应的限幅器，可完美保护后级设备
- 增益分享型自动混音AM，轻松管理多支麦克风组合输出
- 自适应回声消除AEC，快速消除视频会议中产生的回声
- 多种参量均衡类型可选，包括PEQ、High-Shelf、Low-Shelf、LP、HP,可灵活应用于更多的场合
- 自带中文操作WEB，直观、图形化软件控制界面
- 灵活多样的控制方式：以太网口轻松连接电脑及其他网络设备
- 开放的第三方控制协议，通过UDP或RS-232管理、控制音频处理器

- 16 balanced microphone/line input with 48V phantom power supply soft switch
- 16 balanced line output
- Provides outstanding sound quality of 24bit/48kHz
- Optimized front-end gain with 0dB,10dB,20dB,30dB,40dB multistage adjustment for MIC and LINE levels
- USB2.0 audio port, supporting USB flash drive recording and playback
- Adaptive feedback eliminates AFC, high-speed floating-point digital algorithms provide feedback suppression for each microphone, suppressing system whistling
- Automatic gain control (AGC) ensures that the output volume of the sound system is smooth and does not affect the volume of the audience area due to the speaker's distance from the microphone
- DUCKER, a smart dodging device, can easily suppress background music signals through the microphone to highlight human voices
- Instant response limiter for perfect protection of back-end equipment
- Gain sharing automatic mixing AM, easy to manage the output of multiple mics
- Adaptive Echo cancellation AEC quickly eliminates echoes generated in video conferences
- A variety of parameter balancing types are available, including PEQ, High-Shelf, Low-Shelf, LP, HP, which can be flexibly applied to more occasions
- Come with Chinese operation WEB, intuitive, graphical software control interface
- Flexible and diverse control methods: Ethernet port easily connects to computers and other network devices
- An open third-party control protocol for managing and controlling audio processors over UDP or RS-232

- Storage: 50 groups are preset
- Input channel function: pre-amplification, signal generator, expander, compressor, 10-segment parameter equalization with PEQ, High-Shelf, Low-Shelf, LP, HP and other types of options
- Output channel functions: 10/15/31 parametric equalization, delay, frequency divider, high-low pass filter, limiter
- Adaptive Echo cancellation (AEC) : Echo cancellation tail length: 128ms/256ms/512ms Optional
- Built-in ANC noise cancellation: 18dB, MAX
- Adaptive feedback elimination (AFC) : Suppress points: 12 points /16 points optional, with manual, dynamic, fixed three processing methods, multiple modes optional
- Sampling frequency: 48kHz
- Input to output dynamic range: >106dB, A weight (20Hz-20kHz@0dB gain)
- Phantom power supply: DC 48±6V,10mA
- Input common-mode suppression: ≥60dBu@+20dBu,60Hz
- Channel isolation: ≤-105db@+20dBu,1KHz
- Frequency response: 20Hz ~ 20kHz (±0.5dB)
- Background noise (A-weight): -90DBU
- Total harmonic distortion (THD+N) : ≤0.005%@1kHz, +4dBu
- Maximum input gain: 40dB
- Input impedance: 2KΩ balance
- Output impedance: 200Ω balance
- Maximum output level: 20dBu
- Working voltage: 110~220VAC±10%, 50~60Hz
- Power: 35W
- Size (W x D x H) : bare machine 482.8*180*44 unit mm
- Weight: bare machine 2.3kg

技术参数Technical parameter

- 存储：预设50组
- 输入通道功能：前置放大、信号发生器、扩展器、压缩器、10段参量均衡具有PEQ、High-Shelf、Low-Shelf、LP、HP等类型可选
- 输出通道功能：10/15/31段参量均衡、延时器、分频器、高低通滤波器、限幅器
- 自适应回声消除（AEC）：回声消除尾长：128ms/256ms/512ms可选
- 内置ANC噪声消除量：18dB，MAX
- 自适应反馈消除（AFC）：抑制点数：12点/16点可选，具有手动、动态、固定三种处理方式，多种模式可选
- 采样频率：48kHz
- 输入到输出动态范围：>106dB，A计权（20Hz-20kHz@0dB增益）
- 幻像供电：DC 48±6V,10mA
- 输入共模抑制：≥60dBu@+20dBu,60Hz
- 通道隔离度：≤-105dB@+20dBu，1KHz
- 频率响应：20Hz~20kHz (±0.5dB)
- 本底噪(A-计权):-90dBu
- 总谐波失真(THD+N)：≤0.005%@1kHz，+4dBu
- 最大输入增益：40dB
- 输入阻抗：2KΩ balance
- 输出阻抗：200Ω balance
- 最大输出电平：20dBu
- 工作电压：110~220VAC±10%，50~60Hz
- 功率：35W
- 尺寸（宽×深×高）：裸机482.8*180*44 单位mm
- 重量：裸机2.3kg

- Storage: 50 groups are preset
- Input channel function: pre-amplification, signal generator, expander, compressor, 10-segment parameter equalization with PEQ, High-Shelf, Low-Shelf, LP, HP and other types of options
- Output channel functions: 10/15/31 parametric equalization, delay, frequency divider, high-low pass filter, limiter
- Adaptive Echo cancellation (AEC) : Echo cancellation tail length: 128ms/256ms/512ms Optional
- Built-in ANC noise cancellation: 18dB, MAX
- Adaptive feedback elimination (AFC) : Suppress points: 12 points /16 points optional, with manual, dynamic, fixed three processing methods, multiple modes optional
- Sampling frequency: 48kHz
- Input to output dynamic range: >106dB, A weight (20Hz-20kHz@0dB gain)
- Phantom power supply: DC 48±6V,10mA
- Input common-mode suppression: ≥60dBu@+20dBu,60Hz
- Channel isolation: ≤-105db@+20dBu,1KHz
- Frequency response: 20Hz ~ 20kHz (±0.5dB)
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- Input impedance: 2KΩ balance
- Output impedance: 200Ω balance
- Maximum output level: 20dBu
- Working voltage: 110~220VAC±10%, 50~60Hz
- Power: 35W
- Size (W x D x H) : bare machine 482.8*180*44 unit mm
- Weight: bare machine 2.3kg

数字音频处理器 (8in 8out) 卓越款

Digital audio processor (8in 8out) Excellent

SC-0808DZ

03



产品特性Product characteristics

技术参数Technical parameter

- 用户友好的WEB界面，支持场景记忆和快速设置，提高操作效率
- 丰富的音频处理工具，包括均衡器、压缩器和信号发生器，提供专业的音频调整能力
- 强大的网络连接能力，支持冗余模式，确保系统的稳定运行
- 灵活的输入输出配置和增益调节，适应不同的音频处理需求
- 这款8通道专业音频处理器结合了先进的音频处理技术和用户友好的操作界面，适用于各种现场演出、录音棚和广播应用。它提供了灵活的输入输出配置和强大的信号处理功能，确保音频信号的高质量 and 可靠性
- User-friendly WEB interface, support scene memory and quick Settings, improve operation efficiency
- A wide range of audio processing tools, including equalizers, compressors and signal generators, provide professional audio tuning capabilities
- Strong network connection capability, support redundancy mode, ensure the stable operation of the system
- Flexible input/output configuration and gain adjustment to suit different audio processing needs
- This 8-channel professional audio processor combines advanced audio processing technology with a user-friendly interface for a variety of live, studio and broadcast applications. It provides flexible input/output configurations and powerful signal processing capabilities to ensure high quality and reliability of audio signals

- 通道数量：8路输入和8路输出
- 输入增益调节：提供0dBu至-40dBu的增益调节选项
- 幻象供电：支持48V幻象供电
- 兼容性：支持平衡和非平衡连接
- 最大输入电平：20dBu
- 网络接口：配备2个10M/100M/1000M RJ45口，支持交换模式和冗余模式
- UAC：2进2出UAC
- 主控网络接口：1个100M RJ45口
- 控制接口：一路RS-232控制接口
- 电源接口：AC100V ~ 240V，50Hz/60Hz
- GPIO接口：8个GPIO接口，可配置为输入或输出
- USB接口：一个Type A插座，用于录播功能
- WEB界面：支持50个场景设置，包括输入增益调节、幻象供电设置、反相、静音、音量调节和电平显示
- 信号发生器：提供正弦波、白噪声、粉红噪声等多种测试信号
- 扩展器、压缩器、自动增益
- 音频处理功能：包括扩展器、压缩器、自动增益和参量均衡器，支持10段均衡调节，包括peaking、高通（HP）、低通（LP）、高通架（H-shelf）、低通架（L-shelf）等模式

- Number of channels: 8 inputs and 8 outputs
- Input gain adjustment: Provides gain adjustment options from 0dBu to -40dBu
- Phantom power supply: Support 48V phantom power supply
- Compatibility: Support balanced and unbalanced connection
- Maximum input level: 20dBu
- Network port: Equipped with two 10M/100M/1000M RJ45 ports, supporting switching mode and redundancy mode
- UAC: 2 in and 2 out of UAC
- Main control network interface: 1 100M RJ45 port
- Control interface: one RS-232 control interface
- Power interface: AC100V ~ 240V, 50Hz/60Hz
- GPIO interface: Eight GPIO interfaces, which can be configured as input or output
- USB interface: A Type A socket for recording and playback functions
- WEB interface: Supports 50 scene Settings, including input gain adjustment, phantom power supply setting, inverting, mute, volume adjustment and level display
- Signal generator: Provide sine wave, white noise, pink noise and other test signals
- Expander, compressor, automatic gain
- Audio processing function: including expander, compressor, automatic gain and parametric equalizer, supporting 10-stage balance adjustment, including peaking, High-pass (HP), low-pass (LP), high-pass (H-shelf), low-pass (L-shelf) and other modes

数字音频处理器 (16in 16out) 卓越款

Digital audio processor (16in 16out) Excellent

SC-1616DZ

04



产品特性Product characteristics

技术参数Technical parameter

- 用户友好的WEB界面，支持场景记忆和快速设置，提高操作效率
- 丰富的音频处理工具，包括均衡器、压缩器和信号发生器，提供专业的音频调整能力
- 强大的网络连接能力，支持冗余模式，确保系统的稳定运行
- 灵活的输入输出配置和增益调节，适应不同的音频处理需求
- 这款16通道专业音频处理器结合了先进的音频处理技术和用户友好的操作界面，适用于各种现场演出、录音棚和广播应用。它提供了灵活的输入输出配置和强大的信号处理功能，确保音频信号的高质量 and 可靠性
- User-friendly WEB interface, support scene memory and quick setting, improve operation efficiency
- Rich audio processing tools, including equalizer, compressor and signal generator, provide professional audio adjustment capabilities
- Strong network connection capability, support redundancy mode, ensure the stable operation of the system
- Flexible input/output configuration and gain adjustment to adapt to different audio processing needs
- This 16-channel professional audio processor combines advanced audio processing technology with a user-friendly interface for a variety of live, studio and broadcast applications. It provides flexible input/output configurations and powerful signal processing capabilities to ensure high quality and reliability of audio signals

- 通道数量：16路输入和16路输出
- 输入增益调节：提供0dBu至-40dBu的增益调节选项
- 幻象供电：支持48V幻象供电
- 兼容性：支持平衡和非平衡连接
- 最大输入电平：20dBu
- 网络接口：配备2个10M/100M/1000M RJ45口，支持交换模式和冗余模式
- UAC：2进2出UAC
- 主控网络接口：1个100M RJ45口
- 控制接口：一路RS-232控制接口
- 电源接口：AC100V ~ 240V，50Hz/60Hz
- GPIO接口：8个GPIO接口，可配置为输入或输出
- USB接口：一个Type A插座，用于录播功能
- WEB界面：支持50个场景设置，包括输入增益调节、幻象供电设置、反相、静音、音量调节和电平显示
- 信号发生器：提供正弦波、白噪声、粉红噪声等多种测试信号
- 扩展器、压缩器、自动增益
- 音频处理功能：包括扩展器、压缩器、自动增益和参量均衡器，支持10段均衡调节，包括peaking、高通（HP）、低通（LP）、高通架（H-shelf）、低通架（L-shelf）等模式

- Number of channels: 16 input and 16 output channels
- Input gain adjustment: Provides gain adjustment options from 0dBu to -40dBu
- Phantom power supply: Support 48V phantom power supply
- Compatibility: Support balanced and unbalanced connection
- Maximum input level: 20dBu
- Network port: Equipped with two 10M/100M/1000M RJ45 ports, supporting switching mode and redundancy mode
- UAC: 2 in and 2 out of UAC
- Main control network interface: 1 100M RJ45 port
- Control interface: one RS-232 control interface
- Power interface: AC100V ~ 240V, 50Hz/60Hz
- GPIO interface: Eight GPIO interfaces, which can be configured as input or output
- USB interface: A Type A socket for recording and playback functions
- WEB interface: Supports 50 scene Settings, including input gain adjustment, phantom power supply setting, inverting, mute, volume adjustment and level display
- Signal generator: Provide sine wave, white noise, pink noise and other test signals
- Expander, compressor, automatic gain
- Audio processing function: including expander, compressor, automatic gain and parametric equalizer, supporting 10-stage balance adjustment, including peaking, High-pass (HP), low-pass (LP), high-pass (H-shelf), low-pass (L-shelf) and other modes

网络型数字音频处理器 (8in 8out) Dante款

Network digital audio processor (8in 8out) Dante model

SC-0808DW

05



产品特性Product characteristics

- 用户友好的WEB界面，支持场景记忆和快速设置，提高操作效率
- 丰富的音频处理工具，包括均衡器、压缩器和信号发生器，提供专业的音频调整能力
- 强大的DANTE网络音频传输能力，提供稳定可靠的多通道音频流
- 灵活的输入输出配置和增益调节，适应不同的音频处理需求
- 这款8通道专业数字音频处理器是为满足现代音频工程需求而设计，具备全面的输入输出能力和先进的信号处理功能。它支持DANTE网络音频传输，提供灵活的配置选项和强大的音频处理能力，适用于现场演出、录音棚、广播、会议和教育等多种应用场景
- User-friendly WEB interface, support scene memory and quick setting, improve operation efficiency
- Rich audio processing tools, including equalizer, compressor and signal generator, provide professional audio adjustment capabilities
- Powerful DANTE network audio transmission capability, providing stable and reliable multi-channel audiostreaming
- Flexible input/output configuration and gain adjustment to adapt to different audio processing needs
- This 8-channel professional digital audio processor is designed to meet the needs of modern audio engineering with comprehensive input and output capabilities and advanced signal processing. It supports DANTE network audio transmission, provides flexible configuration options and powerful audio processing capabilities for a variety of applications such as live performances, recording studios, broadcast, conferences and education

技术参数Technical parameter

- 通道数量：8路输入和8路输出
- 输入增益调节：提供0dBu至-40dBu的多级增益调节
- 幻象供电：支持48V幻象供电
- 兼容性：支持平衡和非平衡连接方式
- 最大输入电平：20dBu
- DANTE支持：16进16出Broadway Dante网络音频传输
- 网络接口：配备2个10M/100M/1000M RJ45口，支持交换模式和冗余模式
- UAC：2进2出USB音频接口
- 主控网络接口：1个100M RJ45口
- 控制接口：一路RS-232控制接口
- 电源接口：AC100V ~ 240V，50Hz/60Hz
- GPIO接口：8个GPIO接口，可配置为输入或输出
- USB接口：一个Type A插座，用于录播功能
- WEB界面：支持50个场景设置，包括输入增益调节、幻象供电设置、反相、静音、音量调节和电平显示。
- 信号发生器：提供正弦波、白噪声、粉红噪声等多种测试信号
- 音频处理功能：包括扩展器、压缩器、自动增益和参量均衡器，支持10段均衡调节，包括peaking、高通（HP）、低通（LP）、高通架（H-shelf）、低通架（L-shelf）等模式
- Number of channels: 8 inputs and 8 outputs
- Input gain adjustment: Provides multi-level gain adjustment from 0dBu to -40dBu
- Phantom power supply: Support 48V phantom power supply
- Compatibility: Support balanced and unbalanced connection modes
- Maximum input level: 20dBu
- DANTE support: 16 in and 16 out Broadway Dante network audio transmission
- Network interface: Equipped with two 10M/100M/1000M RJ45 ports, supporting switching mode and redundancy mode
- UAC: 2 in and 2 out USB audio ports
- Main control network interface: 1 100M RJ45 port
- Control interface: one RS-232 control interface
- Power interface: AC100V ~ 240V, 50Hz/60Hz
- GPIO interface: Eight GPIO interfaces, which can be configured as input or output
- USB interface: A Type A socket for recording and playback functions
- WEB interface: Supports 50 scene Settings, including input gain adjustment, phantom power supply setting, inverting, mute, volume adjustment and level display.
- Signal generator: Provide sine wave, white noise, pink noise and other test signals
- Audio processing function: including expander, compressor, automatic gain and parametric equalizer, supporting 10-stage balance adjustment, including peaking, High-pass (HP), low-pass (LP), high-pass (H-shelf), low-pass (L-shelf) and other modes

网络型数字音频处理器 (16in 16out) Dante款

Network digital audio processor (16in 16out) Dante model

SC-1616DW

06



产品特性Product characteristics

- 用户友好的WEB界面，支持场景记忆和快速设置，提高操作效率
- 丰富的音频处理工具，包括均衡器、压缩器和信号发生器，提供专业的音频调整能力
- 强大的DANTE网络音频传输能力，提供稳定可靠的多通道音频流
- 灵活的输入输出配置和增益调节，适应不同的音频处理需求
- 这款16通道专业数字音频处理器是为满足现代音频工程需求而设计，具备全面的输入输出能力和先进的信号处理功能。它支持DANTE网络音频传输，提供灵活的配置选项和强大的音频处理能力，适用于现场演出、录音棚、广播、会议和教育等多种应用场景
- User-friendly WEB interface, support scene memory and quick setting, improve operation efficiency
- Rich audio processing tools, including equalizer, compressor and signal generator, provide professional audio adjustment capabilities
- Powerful DANTE network audio transmission capability, providing stable and reliable multi-channel audio streaming
- Flexible input/output configuration and gain adjustment to adapt to different audio processing needs
- This 16-channel professional digital audio processor is designed to meet the needs of modern audio engineering with comprehensive input and output capabilities and advanced signal processing. It supports DANTE network audio transmission, provides flexible configuration options and powerful audio processing capabilities for a variety of applications such as live performances, recording studios, broadcast, conferences and education

技术参数Technical parameter

- 通道数量：16路输入和16路输出
- 输入增益调节：提供0dBu至-40dBu的多级增益调节
- 幻象供电：支持48V幻象供电
- 兼容性：支持平衡和非平衡连接方式
- 最大输入电平：20dBu
- DANTE支持：16进16出Broadway Dante网络音频传输
- 网络接口：配备2个10M/100M/1000M RJ45口，支持交换模式和冗余模式
- UAC：2进2出USB音频接口
- 主控网络接口：1个100M RJ45口
- 控制接口：一路RS-232控制接口
- 电源接口：AC100V ~ 240V，50Hz/60Hz
- GPIO接口：8个GPIO接口，可配置为输入或输出
- USB接口：一个Type A插座，用于录播功能
- WEB界面：支持50个场景设置，包括输入增益调节、幻象供电设置、反相、静音、音量调节和电平显示。
- 信号发生器：提供正弦波、白噪声、粉红噪声等多种测试信号
- 音频处理功能：包括扩展器、压缩器、自动增益和参量均衡器，支持10段均衡调节，包括peaking、高通（HP）、低通（LP）、高通架（H-shelf）、低通架（L-shelf）等模式
- Number of channels: 16 inputs and 16 outputs
- Input gain adjustment: Provides multi-level gain adjustment from 0dBu to -40dBu
- Phantom power supply: Support 48V phantom power supply
- Compatibility: Support balanced and unbalanced connection modes
- Maximum input level: 20dBu
- DANTE support: 16 in and 16 out Broadway Dante network audio transmission
- Network interface: Equipped with two 10M/100M/1000M RJ45 ports, supporting switching mode and redundancy mode
- UAC: 2 in and 2 out USB audio ports
- Main control network interface: 1 100M RJ45 port
- Control interface: one RS-232 control interface
- Power interface: AC100V ~ 240V, 50Hz/60Hz
- GPIO interface: Eight GPIO interfaces, which can be configured as input or output
- USB interface: A Type A socket for recording and playback functions
- WEB interface: Supports 50 scene Settings, including input gain adjustment, phantom power supply setting, inverting, mute, volume adjustment and level display.
- Signal generator: Provide sine wave, white noise, pink noise and other test signals
- Audio processing function: including expander, compressor, automatic gain and parametric equalizer, supporting 10-stage balance adjustment, including peaking, High-pass (HP), low-pass (LP), high-pass (H-shelf), low-pass (L-shelf) and other modes

3进6出音频处理器

3 in 6 out audio processor

E-D360A

07



产品特性Product characteristics

- 96KHz 采样频率, 32-bit DSP 处理器, 32-bit A/D 及 D/A 转换, 高品质音质保证;
- 提供3路平衡输入6路平衡输出;
- 每路输入支持增益/静音/极性/延时/噪声门/ 参量均衡器 (PEQ) , 支持混音矩阵实现叠加信号冗余切换、通道拷贝、粘贴、联控功能;
- 输出的增益/静音/极性/延时/分频/参量均衡器 (PEQ) /压限, 有多达13种滤波器类型可以选择, 输出的分频滤波器有经典的林奎茨-瑞利/贝塞尔/巴特沃茨;
- 每路输入均有15段PEQ均衡器, 输出15段PEQ均衡器, 高低通滤波器;
- 每路输入通道延时可调300MS, 每路输出通道延时可调500MS;
- 支持中英文操作界面切换;
- 设有USB、RS485和TCP/IP有线无线等多种控制方式, 支持多台机器组网联调, 远程监控。

- 96KHz sampling frequency, 32-bit DSP processor, 32-bit A/D and D/A conversion, high quality sound quality assurance;
- Provide 3 balanced inputs and 6 balanced outputs;
- each input support gain/mute/polarity/delay/noise gate/parametric equalizer (PEQ), support mixing matrix to achieve superposition signal redundancy switching, channel copy, paste, joint control functions;
- output gain/mute/polarity/delay/frequency division/parametric equalizer (PEQ)/voltage limit, there are up to 13 filter types to choose from, the output frequency division filter has the classic Linquez-Rayleigh/Bessel/Buttervotz;
- each input has 15 PEQ equalizer, output 15 PEQ equalizer, high-low pass filter;
- each input channel delay can be adjusted 300MS, each output channel delay can be adjusted 500MS;
- support English and Chinese operation interface switching;
- equipped with USB, RS485 and TCP/IP wired wireless and other control methods, support multi-machine networking, remote monitoring.

技术参数Technical parameter

- 输入输出通道: 3X6;
- 输入阻抗 平衡: 20K ;
- 输出阻抗 平衡: 100Ω;
- PC 接口: 1 个 USB 接口、后板 1 个 RS485 接口 (RJ-45 座) ;
- 共模拟制比: > 70dB(1KHz) ;
- 输入范围: ≤+25dBu ;
- 频率响应: 20Hz-20KHz(-0.5dB) ;
- 信噪比(A 计权): > 110dB A 计权;
- 失真度: <0.01% OUTPUT=0dBu/1KHz;
- 通道分离度: > 100dB(1KHz);
- 输入通道功能:
- 输入静音: 每个通道设立单独静音控制;
- 输入音量: 范围: -80dB~+12dB, 步距: 0.1dB;
- 输入延时: 每个输入通道有单独延时控制, 调节范围 0~100ms, 步距为 0.1ms;
- 输入相位: 同相 (0) 或反相 (180) ;

- 输入均衡: 输入 PEQ 每通道 15 段参量均衡器 增益: -12dB~+12dB, 步距为 0.1dB EQ 类型 PEQ、Low shelf、High shelf 任选;
- 输入噪声门: 门限-90dB~ -20dB, 启动时间 3000MS 释放时间 3000MS;
- 输出通道功能:
- 输出静音: 每个通道设立单独静音控制;
- 输入选择(路由): 每个输出通道可单独选择不同的输入通道, 也可以选择输入通道的任意组合;
- 输出音量: 调节范围: -80dB ~+12dB、步距为 0.1dB;
- 输出延时: 每个输入通道有单独延时控制, 调节范围 0~300ms, 步距为 0.1ms;
- 输出相位: 同相 (0) 或反相 (180);
- 分频器设置: 每个输出通道可单独设置低通滤波器 (LPF) 和高通滤波器 (HPF), 分频频率 20~20KHz;
- 分频斜率: FLAT THRU, 12dB, 24dB, 36dB, 48dB, 分频类型 Butterworth、Bessel、Linkwitz-Riley;
- 压限器设置: 起动时间: 1ms~500ms、步距 1ms, 释放时间: 50~3000ms ;
- 输出均衡: 输出 PEQ 每通道 15 段参量均衡器 增益: -12dB~+12dB, 步距为 0.1dB EQ 类型 PEQ、Low shelf、High shelf 任选。

- Input/output channel: 3X6;
- Input impedance balance: 20K;
- Output impedance balance: 100Ω;
- PC interface: 1 USB interface, 1 RS485 interface on the rear board (RJ-45 seat);
- Total analog ratio: >70dB(1KHz);
- Input range: ≤+25dBu;
- Frequency response: 20Hz-20KHz(-0.5dB);
- Signal to noise ratio (A weight): >110dB A weight;
- Distortion: <0.01% OUTPUT=0dBu/1KHz;
- channel separation: > 100dB(1KHz);
- Input channel function:
- Input mute: each channel set up a separate mute control;
- Input volume: range: -80dB~+12dB, step: 0.1dB;
- Input delay: Each input channel has a separate delay control, the adjustment range is 0~100ms, the step is 0.1ms;
- Input phase: in-phase (0) or anti-phase (180);
- Input equalization: Input PEQ Each channel has 15 segments. The input PEQ gain is -12dB~+12dB, and the step is 0.1dB. EQ PEQ, Low shelf, and High shelf are optional.
- Input noise threshold: -90dB~ -20dB, start time 3000MS Release time 3000MS;
- Output channel functions:
- Output mute: each channel set up a separate mute control;
- Input selection (routing): Each output channel can individually select a different input channel, or any combination of input channels can be selected;
- Output volume: adjustable range: -80dB ~+12dB, step is 0.1dB;
- Output delay: each input channel has a separate delay control, the adjustment range is 0~300ms, the step is 0.1ms;
- Output phase: in phase (0) or reverse phase (180);
- Frequency divider setting: each output channel can be separately set low-pass filter (LPF) and high filter (HPF), the frequency of 20~20KHz;
- minute frequency slope: FLAT THRU, 12 db, db, 36 db, db, 48 points frequency type Butterworth, Bessel, Linkwitz - Riley;
- Pressure limiter setting: starting time: 1ms~500ms, step length: 1ms, release time: 50~3000ms;
- Output equalization: Output PEQ 15 sections per channel Parametric equalizer Gain: -12dB~+12dB, step is 0.1dB EQ Type PEQ, Low shelf, High shelf Optional.

4进8出音频处理器

4 in 8 out audio processor (with FIR, dynamic EQ)

E-D480A

08



产品特性Product characteristics

- 96KHz 采样频率, 32-bit DSP 处理器, 32-bit A/D 及 D/A 转换, 高品质音质保证;
- 提供4路平衡输入8路平衡输出;
- 每路输入支持增益/静音/极性/延时/噪声门/ 参量均衡器 (PEQ) , 支持混音矩阵实现叠加信号冗余切换、通道拷贝、粘贴、联控功能;
- 输出的增益/静音/极性/延时/分频/参量均衡器 (PEQ) /压限, 有多达13种滤波器类型可以选择, 输出的分频滤波器有经典的林奎茨-瑞利/贝塞尔/巴特沃茨;
- 每路输入均有15段PEQ均衡器, 输出15段PEQ均衡器, 高低通滤波器;
- 每路输入通道延时可调300MS, 每路输出通道延时可调500MS;
- 支持中英文操作界面切换;
- 设有USB、RS485和TCP/IP有线无线等多种控制方式, 支持多台机器组网联调, 远程监控。

- 96KHz sampling frequency, 32-bit DSP processor, 32-bit A/D and D/A conversion, high quality sound quality assurance;
- Provide 4 balanced inputs and 8 balanced outputs;
- each input support gain/mute/polarity/delay/noise gate/parametric equalizer (PEQ), support mixing matrix to achieve superposition signal redundancy switching, channel copy, paste, joint control functions;
- output gain/mute/polarity/delay/frequency division/parametric equalizer (PEQ)/voltage limit, there are up to 13 filter types to choose from, the output frequency division filter has the classic Linquez-Rayleigh/Bessel/Buttervotz;
- each input has 15 PEQ equalizer, output 15 PEQ equalizer, high-low pass filter;
- each input channel delay can be adjusted 300MS, each output channel delay can be adjusted 500MS;
- support English and Chinese operation interface switching;
- equipped with USB, RS485 and TCP/IP wired wireless and other control methods, support multi-machine networking, remote monitoring.

技术参数Technical parameter

- 输入输出通道: 4X8;
- 输入阻抗 平衡: 20K ;
- 输出阻抗 平衡: 100Ω;
- PC 接口: 1 个 USB 接口、后板 1 个 RS485 接口 (RJ-45 座) ;
- 共模拟制比: > 70dB(1KHz) ;
- 输入范围: ≤+25dBu ;
- 频率响应: 20Hz-20KHz(-0.5dB) ;
- 信噪比(A 计权): > 110dB A 计权;
- 失真度: <0.01% OUTPUT=0dBu/1KHz;
- 通道分离度: > 100dB(1KHz);
- 输入通道功能:
- 输入静音: 每个通道设立单独静音控制;
- 输入音量: 范围: -80dB~+12dB, 步距: 0.1dB;
- 输入延时: 每个输入通道有单独延时控制, 调节范围 0~100ms, 步距为 0.1ms;
- 输入相位: 同相 (0) 或反相 (180) ;

技术参数Technical parameter

- 输入均衡: 输入 PEQ 每通道 15 段参量均衡器 增益: -12dB~+12dB, 步距为 0.1dB EQ 类型 PEQ、Low shelf、High shelf 任选;
- 输入噪声门: 门限-90dB~ -20dB, 启动时间 3000MS, 释放时间 3000MS;
- 输出通道功能:
- 输出静音: 每个通道设立单独静音控制;
- 输入选择(路由): 每个输出通道可单独选择不同的输入通道, 也可以选择输入通道的任意组合;
- 输出音量: 调节范围: -80dB ~+12dB、步距为 0.1dB;
- 输出延时: 每个输入通道有单独延时控制, 调节范围 0~300ms, 步距为 0.1ms;
- 输出相位: 同相 (0) 或反相 (180);
- 分频器设置: 每个输出通道可单独设置低通滤波器 (LPF) 和高通滤波器 (HPF), 分频频率 20~20KHz;
- 分频斜率: FLAT THRU, 12dB, 24dB, 36dB, 48dB, 分频类型 Butterworth、Bessel、Linkwitz-Riley;
- 压限器设置: 起动时间: 1ms~500ms、步距 1ms, 释放时间: 50~3000ms ;
- 输出均衡: 输出 PEQ 每通道 15 段参量均衡器 增益: -12dB~+12dB, 步距为 0.1dB EQ 类型 PEQ、Low shelf、High shelf 任选。

- Input/output channel: 4X8;
- Input impedance balance: 20K;
- Output impedance balance: 100Ω;
- PC interface: 1 USB interface, 1 RS485 interface on the rear board (RJ-45 seat);
- Total analog ratio: >70dB(1KHz);
- Input range: ≤+25dBu;
- Frequency response: 20Hz-20KHz(-0.5dB);
- Signal to noise ratio (A weight): >110dB A weight;
- Distortion: <0.01% OUTPUT=0dBu/1KHz;
- channel separation: > 100dB(1KHz);
- Input channel function:
- Input mute: each channel set up a separate mute control;
- Input volume: range: -80dB~+12dB, step: 0.1dB;
- Input delay: Each input channel has a separate delay control, the adjustment range is 0~100ms, the step is 0.1ms;
- Input phase: in-phase (0) or anti-phase (180);
- Input equalization: Input PEQ Each channel has 15 segments. The input PEQ gain is -12dB~+12dB, and the step is 0.1dB. EQ PEQ, Low shelf, and High shelf are optional.
- Input noise gate: threshold -90dB~ -20dB, start time 3000MS, release time 3000MS;
- Output channel functions:
- Output mute: each channel set up a separate mute control;
- Input selection (routing): Each output channel can individually select a different input channel, or any combination of input channels can be selected;
- Output volume: adjustable range: -80dB ~+12dB, step is 0.1dB;
- Output delay: each input channel has a separate delay control, the adjustment range is 0~300ms, the step is 0.1ms;
- Output phase: in phase (0) or reverse phase (180);
- Frequency divider setting: each output channel can be separately set low-pass filter (LPF) and high filter (HPF), the frequency of 20~20KHz;
- minute frequency slope: FLAT THRU, 12 db, db, 36 db, db, 48 points frequency type Butterworth, Bessel, Linkwitz - Riley;
- Pressure limiter setting: starting time: 1ms~500ms, step length: 1ms, release time: 50~3000ms;
- Output equalization: Output PEQ 15 sections per channel Parametric equalizer Gain: -12dB~+12dB, step is 0.1dB EQ Type PEQ, Low shelf, High shelf Optional.

反馈抑制器（全自动）

Feedback suppressor (fully automatic)

NFP-001

09



产品特性Product characteristics

- 支持自适应陷波及移频;
- 两通道独立反馈抑制处理, 2路输入, 2路输出, 支持 6.35mm Jack与XLR接口, 平衡输入输出;
- 为适应不同语言场景面应用优化的4种模式: 直通/AI转写模式、演唱模式、高品质会议模式、课堂模式;
- 具有接地开关可选择:低阻接地/高阻尼接地;
- 面板 LED 灯指示输入通道电平及设备工作状态, 通过两通道独立的信号与过载实时监测, 开关机无冲击;
- 适用场所: 会议室、多功能厅、教室、演出。

- Support adaptive trapping and frequency shift;
- two channels independent feedback suppression processing, 2 input, 2 output, support 6.35mm Jack and XLR interface, balanced input and output;
- Four modes optimized for different language scenarios: direct /AI transliteration mode, singing mode, high-quality meeting mode, and classroom mode;
- with a grounding switch can be selected: low resistance grounding/high damping grounding;
- the panel LED light indicates the level of the input channel and the working status of the equipment, through the two channels independent signal and overload real-time monitoring, no impact on the switch;
- applicable places: meeting room, multi-function hall, classroom, performance.

技术参数Technical parameter

- 整机 SNR 要求:≥ 100dBA,
- 模拟输入输出灵敏度:2Vrms;
- 系统信噪比: A加权 ≥ 100dB;
- 音频输入输出接口: XLR;
- 输入输出电平: 2Vrms;
- 电源: 90-230VAC。
- SNR requirements :≥ 100dBA,
- analog input and output sensitivity :2Vrms;
- the system signal to noise ratio: A weighted ≥ 100dB;
- audio input/output interface: XLR;
- input and output level: 2Vrms;
- Power supply: 90-230VAC.

反馈抑制器（全自动）

Feedback suppressor (fully automatic)

NFP-002

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产品特性Product characteristics

- 反馈抑制系统具有全自动检测现成啸叫点功能, 通过DSP系统对声音进行过滤, 高速有效的抑制消叫, 有效提升本地扩音声压和清晰度。
- 系统设计灵活多变, 具备4路万能输入接口, 2路平衡输出接口, 配有线路输入输出莲花接口, 调试简单方便。
- 每通道具有48V幻象电源, 本产品主要针对现代化教学、会议、庭审的录音和远程会议通话专门研究开发。
- 4路万能输入接口,每路有独立48V供电
- 有高、中、低电平可调。
- 面板配有电平显示, 可显示当前工作状态与信号电平大小
- 面板一键专业数字反馈抑制模块,直通/反馈模式可转换, 无需调式, 增加话筒拾音距离 30-100CM以上
- 面板一键快速校准, 大程度上还原声音的保真度, 从而有效抑制更多的反射成分
- 标准1U机箱, 高档拉丝铝合金面板。
- 1路线路输入莲花接口
- 1路线路输出莲花接口
- 面板有系统信号音量大小调节
- 面板有线路输入信号音量大小调节
- 2吋TFT彩屏显示屏,监控输出电平一目了然

- Feedback suppression system with automatic detection of ready-made whistling point function, through the DSP system to filter the sound, high-speed and effective suppression of noise, effectively improve the local sound pressure and clarity.
- The system design is flexible and changeable, with 4 universal input interfaces, 2 balanced output interfaces, equipped with line input and output lotus interface, debugging is simple and convenient.
- Each channel has 48V phantom power supply, this product is mainly for modern teaching, conference, court recording and teleconference call specialized research and development.
- 4 universal input interfaces, each with independent 48V power supply
- High, medium and low levels can be adjusted.
- The panel is equipped with level display, which can display the current working status and signal level size
- Panel one-button professional digital feedback suppression module, direct/feedback mode can be converted, no need to adjust, increase the microphone pickup distance 30-100CM or more
- One-click quick calibration of the panel restores the fidelity of the sound to a large extent, thus effectively suppressing more reflective components
- Standard 1U chassis, high-grade brushed aluminum alloy panel.
- 1 route input Lotus interface
- 1 route output Lotus interface
- The panel has the system signal volume adjustment
- Panel has line input signal volume adjustment
- 2-inch TFT color display, monitor output level at a glance

技术参数Technical parameter

- 供电方式: AC~220V, 50Hz
- 消耗功率: 30W
- 频率响应: 20Hz~20KHz
- 采样率: 32KHz
- THD: <0.1%@1KHz
- 信噪比: >90dB
- 信号延时: 11ms
- CMRR: >25dB (50Hz~20KHz)
- 输入阻抗: 话筒输入:47KΩ, 线路输入:10KΩ,
- 音乐输入:10KΩ, 远程输入:10KΩ
- 输出阻抗: 主输出:220Ω, 线路输出:1KΩ,
- 录音输出:1KΩ, 远程输出:1KΩ
- Power supply mode: AC to 220V, 50Hz
- Power consumption: 30W
- Frequency response: 20Hz to 20KHz
- Sampling rate: 32KHz
- THD : <0.1%@1KHz
- SNR: >90dB
- Signal delay: 11ms
- CMRR: >25dB (50Hz~20KHz)
- Input impedance: Microphone input :47KΩ, line input :10KΩ,
- Music input :10KΩ, remote input :10KΩ
- Output impedance: Main output :220Ω, line output :1KΩ,
- Recording output :1KΩ, remote output :1KΩ

反馈抑制器

Feedback suppressor

E-D220FX

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产品特性Product characteristics

- 面板有总音量旋钮，方便调试
- 双通道自动反馈抑制；
- 两个独立通道，共计48个滤波器；
- 每通道24个陷波器，自由设置动态及静态；
- 采用32位浮点DSP、24位AD/DA、96K采样频率；
- 陷波器分辨率1Hz，工作频率20-20kHz；
- ±10Hz移频设置；
- 系统每通道提供噪声门、增益、8段PEQ、压缩器；
- 系统提供USB及RS-485接口连接上位机及中控设备。
- 适用场所：会议室、多功能厅、教室、演出
- The panel has a total volume knob for easy debugging
- Dual channel automatic feedback suppression;
- Two independent channels, a total of 48 filters;
- 24 traps per channel, free to set dynamic and static;
- Using 32-bit floating point DSP, 24-bit AD/DA, 96K sampling frequency;
- Resolution accuracy of notch 1Hz, working frequency 20-20kHz;
- ±10Hz frequency shift setting;
- The system provides noise gate, gain, 8-segment PEQ and compressor for each channel;
- The system provides USB and RS-485 interfaces to connect the upper computer and central control device.
- Applicable places: conference room, multi-function hall, classroom, performance

技术参数Technical parameter

- 32位浮点DSP、24位AD/DA、96K采样频率
- 频率响应：20Hz-20kHz
- 输入：2×XLR & 1/4 "TRS
- 输入阻抗：40kΩ平衡，20kΩ不平衡
- 最大线路电平输入：2Vrms
- 输出：2×XLR & 1/4 "TRS
- 输出阻抗：150Ω
- 最大输出电平：1.6Vrms
- 信噪比：108dB(A计权)
- 总谐波失真：≤0.014%
- 动态范围：≥110dB
- 工作电压：~220V 50Hz
- 尺寸：482×44.5×265mm
- 重量：2.1 kg
- DSP: 32-bit floating point DSP, 24-bit AD/DA, 96K sampling frequency
- Frequency response: 20Hz-20kHz
- Input: 2 x XLR & 1/4 "TRS
- Input impedance: 40kΩ balanced, 20kΩ unbalanced
- Maximum line level input: 2Vrms
- Output: 2 x XLR & 1/4 "TRS
- Output impedance: 150Ω
- Maximum output level: 1.6Vrms
- Signal to noise ratio: 108dB(A weight)
- Total harmonic distortion: ≤0.014%
- Dynamic range: ≥110dB
- Working voltage: ~220V 50Hz
- Size: 482×44.5×265mm
- Weight: 2.1kg

4寸智能控制面板

4 inch smart control panel

E-D04

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产品特性Product characteristics

- 智能墙板，4寸触摸屏；
- 软件界面简单清晰、操作方便；
- 可调节音量大小和场景调用；
- 嵌墙、嵌桌暗装，方便简洁。
- smart wall panel, 4 inch touch screen;
- the software interface is simple and clear, easy to operate;
- adjustable volume and scene call;
- embedded wall, embedded table hidden installation, convenient and simple.

技术参数Technical parameter

- 供电电压：4.5V-30V；
- 通讯接口：RS485；
- 通讯波特率：1200~115200bps；
- 下载接口：SD卡；
- 显示屏尺寸：4.0英寸；
- 显示器类型：IPS液晶屏；
- 分辨率：480*480；
- 工作温度：-20℃~70℃；
- 存储温度：-30℃~80℃；
- 产品尺寸（长*宽*高）：86mm*86mm*27.3mm。
- Supply voltage: 4.5V-30V;
- Communication interface: RS485;
- Communication baud rate: 1200~115200bps;
- Download interface: SD card;
- Display size: 4.0 inches;
- Display type: IPS LCD screen;
- Resolution: 480*480;
- Operating temperature: -20℃~70℃;
- Storage temperature: -30℃~80℃;
- Product size (L * W * H) : 86mm*86mm*27.3mm.

7寸智能控制面板
7 inch smart control panel
E-D07

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产品特性Product characteristics

- 智能墙板，7寸触摸屏；
- 软件界面简单清晰、操作方便；
- 可调节音量大小和场景调用。
- smart wall panel, 7 inch touch screen;
- the software interface is simple and clear, easy to operate;
- adjustable volume and scene call.

技术参数Technical parameter

- 供电电压：4.5V-30V；
- 通讯接口：RS485/RS232；
- 通讯波特率：1200~115200bps；
- 下载接口：SD卡、串口、U盘；
- 显示屏尺寸：7.0英寸；
- 显示器类型：TFT液晶屏；
- 分辨率：1024*600；
- 工作温度：-20℃~70℃；
- 存储温度：-30℃~80℃；
- 产品尺寸（长*宽*高）：210.0mm*149.8mm*24.0mm。
- power supply voltage: 4.5V-30V;
- communication interface: RS485/RS232;
- communication baud rate: 1200~115200bps;
- download interface: SD card, serial port, U disk;
- display size: 7.0 inches;
- display type: TFT LCD screen;
- resolution: 1024*600;
- working temperature: -20℃~70℃;
- storage temperature: -30℃~80℃;
- product size (length * width * height) : 210.0mm*149.8mm*24.0mm.

10.1寸智能控制面板
10.1 inch smart control panel
E-D10

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产品特性Product characteristics

- 智能墙板，10.1寸触摸屏；
- 软件界面简单清晰、操作方便；
- 可调节音量大小和场景调用。
- smart wall panel, 10.1 inch touch screen;
- the software interface is simple and clear, easy to operate;
- adjustable volume and scene call.

技术参数Technical parameter

- 供电电压：4.5V-30V；
- 通讯接口：RS485/RS232；
- 通讯波特率：1200~115200bps；
- 下载接口：SD卡、串口、U盘；
- 显示屏尺寸：10.1英寸；
- 显示器类型：TFT液晶屏；
- 分辨率：1024*600；
- 工作温度：-20℃~70℃；
- 存储温度：-30℃~80℃；
- 产品尺寸（长*宽*高）：280.5mm*191.5mm*34.0mm。
- Supply voltage: 4.5V-30V;
- Communication interface: RS485/RS232;
- Communication baud rate: 1200~115200bps;
- Download interface: SD card, serial port, U disk;
- Display size: 10.1 inches;
- Display type: TFT LCD screen;
- Resolution: 1024*600;
- Operating temperature: -20℃~70℃;
- Storage temperature: -30℃~80℃;
- Product size (L * W * H) : 280.5mm*191.5mm*34.0mm.