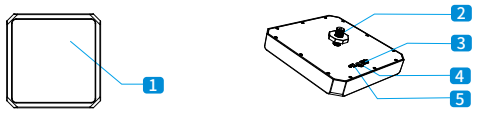
XDC236-AP

数字无线会议系统 - 无线网关（AP）

Digital Wireless Conference System
- Wireless Gateway (AP)

产品外观

正面　　背面



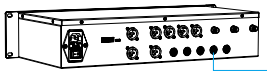
1 指示灯、呼吸灯　4 6PIN DIN接口
2 挂件卡口　5 12V1A 扩展电源口
3 Rj45网口

系统特性

* 有线无线融合，主机对有线单元、无线单元统一发言调度、管理。
* 无线子系统具有音频时钟同步传输技术，延时小于 4ms。有线子系统音频采用非压缩音频传输，确保音频质量。有线子系统采用定制屏蔽6芯线缆。
* 无线网关（AP），扩展无线接入范围。
* 各子系统音频独立输出，可分别控制音量大小。无线子系统包含 4路独立通道输出和1路MIX输出。有线子系统一路MIX音频输出。
* 基于iMeetingPlat™技术平台，带来全新用户体验。会议状态、配置一目了然。
* 会议模式：先进先出 / 数量限制。
* 采用高速6芯数字电缆传输数据及供电，传输距离最远可达150米。
* 采样频率 48KHz，频率响应20Hz-20kHz,达到 CD 级音质效果。

使用说明

本设备必须接入XDC230系列会议系统主机使用。
XDC236会议主机背部“有线扩展接口”接口连接本设备，本链路不可再串接其他设备。



有线EXP扩展接口，支持AP接入

本设备接入XDC230系列会议主机后，需要将主机配置进行以下修改：
“配置”-“系统”-“通道”-“通道管理”-“无线音频路径”：
修改为“无线网关（AP）”选项。
修改后重启，即完成配置。

主要参数

1. 有线子系统参数

项目	参数
通信模式	语音信道：模拟通信，　控制信道：数字通信
综合S/N	>88dB
动态范围	88dB
综合T.H.D	＜0.1%（@1KHz）
频响（Hz）	50~16KHz
频响衰减	<1dB（20Hz~20KHz）
传输时延(ms)	<1ms
主增益控制	15×1dB和关闭（静音）
传输介质	专业高速6芯RJ45 x 1 & 6Pin DIN x 1数字电缆
单元连接头	6芯大DIN*5
输入通道	1路6P DIN
输出阻抗	470Ω

2. 无线子系统参数

项目	参数
通信模式	语音信道：数字通信，　控制信道：数字通信
调制方式	语音信道：PSK；管理信道：GFSK
载波频段	668MHz~698MHz
载波频段	30MHz
综合S/N	>96dB
综合T.H.D	<0.2%（@1KHz）
频响（Hz）	30Hz~18KHz
频响衰减	<2dB（20Hz~20KHz）
传输时延(ms)	4.17ms
有效传输距离	基于不同终端、不同的音质，达到50~80m距离
天线	600MHz天线*5 + 板载2.4GHz天线

3. 电气物理参数

项目	参数
功耗	12W
电源接口	POE 或 12V / 1A
重量（克）	800g
尺寸规格	600mm x 600mm x 200mm
材质	亚克力壳
温度范围	工作：0至45°C；储运：-20至55 °C（低温可能影响锂电池性能）

其他说明

- 本设备无线子系统同时采用了600MHz频段及2.4GHz频段。

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infoSVC Co., Ltd

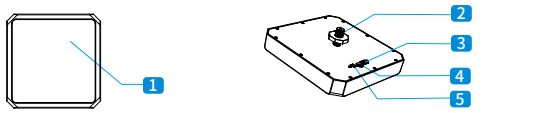
GAODIMIC® | iMeeting Plat™

XDC236-AP

Wired & Wireless Integrated Digital Conference System

Wireless Gateway (AP)

Appearance



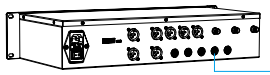
1 Indicator light, breathing light
2 Wall mounting plate
3 RJ45 Interface
4 6PIN DIN Interface
5 12V1A Extended power port

Feature

* Wired and wireless integration, the host can schedule and manage wired units and wireless units in a unified manner.
* The wireless subsystem has audio clock synchronous transmission technology with a delay of less than 4ms. The wired subsystem audio uses uncompressed audio transmission to ensure audio quality. The wired subsystem uses custom shielded 6-core cable.
* Wireless gateway (AP), extending wireless access range.
* Each subsystem audio output is independent and the volume can be controlled separately. The wireless subsystem includes 4 independent channel outputs and 1 MIX output. One MIX audio output for the wired subsystem.
* Based on iMeetingPlat™ technology platform, bringing a new user experience. Conference status and configuration are clear at a glance.
*Conference Mode: First in first out / Quantity limited.
* Using high-speed 6-core digital cable to transmit data and power supply, the transmission distance can reach up to 150 meters.
* Sampling frequency 48KHz, frequency response 20Hz-20kHz, achieving CD-level sound quality.

Instructions

This device must be connected to the XDC230 series conference system host. The "Wired EXP" interface on the back of the XDC236 conference host is connected to this device. This link cannot be used to connect other devices in series.



EXP Interface, Support AP connection

After this device is connected to the XDC230 series conference host, the host configuration needs to be modified as follows:
"Setting" - "System" - "Channel" - "Channel Management" - "Wireless Audio Path": Change to "Wireless Gateway (AP)" option.
Restart after modification to complete the configuration.

Parameters

1. Wired Sub-System

Item	Parameters
Mode	Voice: analog communication, Control: digital communication
S/N	>88dB
Dynamic Range	88dB
T.H.D	＜0.1% (@1KHz)
Freq. Response	50~16KHz
Freq. Response Attenuation	<1dB (20Hz~20KHz)
Latency	<1ms
Master Gain Control	4×3dB and off (mute)
Transmission Medium	High-speed 6-core digital cable
Harmonic Distortion	<0.5%
Connector	6Cores DIN*5
Input Channel	1route 6P DIN
Output impedance	470Ω

2. Wireless Sub-system

Item	Parameters
Mode	Voice: Digital Communication Control: Digital Communication
Modulation	Voice Channel :PI/4 DQPSK Control Channel: GFSK
Carrier freq. band	668MHz~698MHz
Bandwidth	30MHz
S/N	>96dB
T.H.D	<0.2% (@1KHz)
Freq. Response	30Hz~18KHz
Freq. Response Attenuation	<2dB (20Hz~20KHz)
Latency	4.17ms
Distance	50~80m(Distraction-free environment)
Antenna	600MHz Antenna *5 &2.4GHz Antenna

3. Electrical physical parameters

Item	Parameters
Power Consumption	12W
Power Supply	Conference system cable power supply.
Weight	800g
Size	600mm x 600mm x 200mm
Material	Acrylic shell
Temperature	Working: 0 to 45°C; Storage and transportation: -20 to 55°C (low temperature may affect the performance of lithium batteries)

Others

- The wireless subsystem of this device uses both the 600MHz frequency band and the 2.4GHz frequency band.
- **iMeetingPlat™** is a professional conference system architecture platform technology, consisting of relevant standard interface protocols and patents. Including: wired & wireless 2.4GHz conference system management channel communication protocol, wired & wireless 600MHz conference system voice channel communication protocol, conference system UI control communication protocol.

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