

AP08 Datasheet

Yealink AP08 DSP, a cutting-edge digital signal processor, aims to enhance your meeting experience with its exceptional automation capabilities. With support for up to 16x16 Dante audio channels, including 8 optimized channels with dynamic AEC, intelligent noise cancellation, and reverberation suppression, coupled with 4x4 analog audio channels and two simultaneous USB 3.0 Type-B device interfaces, AP08 DSP ensures smooth audio transmission and clear communication. Combined with Room Designer software, AP08 DSP seamlessly integrates automated design and acoustic environment adaptive technology, setting a new standard for audio quality and convenience in your meetings. Make Yealink AP08 DSP your preferred choice and enjoy an outstanding audio experience.







Key Features



16*16 Dante Channel



One-button Deployment



8 AEC Channels



Intelligent Design



Yealink Room Designer



Acoustic Adaptation



Al-Based Sound Optimization



Dual USB Interface



Flexible Customization

Yealink AP08 DSP supports 16x16 Dante audio channels with 8 channels featuring dynamic AEC algorithms. It also includes 4x4 analog channels and two USB-B device interfaces. With Room Designer, configure audio routing and algorithm modules to meet customized needs, ensuring exceptional audio transmission and clear communication.

One-button Custom Deploy

Yealink AP08 supports effortless plug-and-play deployment. Simply connect a set of Yealink SkySound audio devices to the same network, and within minutes, the audio links are automatically established and customized for room acoustics. This feature saves time, effort, and significantly reduces deployment costs.

Intelligent Solution Design

Yealink's exclusive automated design, paired with Room Designer software, provides a complete deployment design based on basic room data. The final result includes device quantity, placement, and audio links, reducing deployment learning costs for easy and efficient audio solution design.

Dante Audio for Teams Room

Enhance your audio experience with Yealink's native Teams meeting room solution, seamlessly integrated with MVC. Complete room audio control through the MVC control panel, supporting synchronized mute, automatic EQ, and advanced features for a comprehensive audiovisual conferencing experience.

Specifications

Dante	Chan	nels
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• Input Channels: 16 Dante input (8 AEC channels)

• Output Channels: 16 Dante output

• Frequency Response: 50-20KHz

• THD+N: <1%

• Sampling Rate: 48KHz

• Bit Depth: 24bit

Dynamic Range: 86dB



Analog Channels	• Input Channels:
	- 2 * RCA input
	- 2 * 3-pin Analog input
	Output Channels:
	- 2 * RCA output
	- 2 * 3-pin Analog output
	Frequency Response: 20-20KHz
	• THD+N: <1%
	Input Dynamic Range: 96dB
	Output Dynamic Range: 98dB
	Self-Noise:
	- RCA (Unbalanced): -94dBu
	- Analog (Balanced): -86dBu
	Input Clipping Range: 0 to 64dB
	Output Sensitivity Range: -40dBu to 24dBu
	Phantom power: +48VDC 10 mA max
USB Channels	Input Channels: 2 * USB input
	Output Channels: 2 * USB output
	Sampling Rate: 48KHz
	Bit Depth: 16bit/24bit

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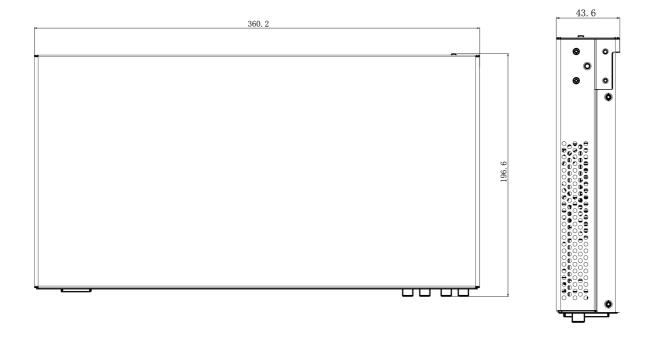


Control Ports	MGMT: RJ-45 for API control
	RS232: 1 * 3-pin Poenix port
	 GPIO in: 8-pin Poenix port, 1-8 inputs, Analog input or contact closure (up to 24V) with switchable 5V pull-up
	 GPIO out: 8-pin Poenix port, 1-8 outputs, open-drain output (up to 24V, 0.3A), default state +3.3V
	• +12VDC: 0.1A
	GND: Earth
LAN Ports	LAN 1-3: Dante network port
	Power Supply:
	- Each port supports IEEE802.3at PSE
	- Total maximum PSE 90W
Product Design	• Size: L360*W189*H44mm
	Weight: 2.2kg
	Color: Advanced Black
	Material: SGCC
	Operating Temperature: 0-40°C
	Operating humidity: 0-93% RH
Logistic Information	• Giftbox: 410*325*70mm
	Weight:
	- N.W/CTN 2.8kg
	- G.W/CTN 3.2kg
	Storage Temperature: -30-70°C

Dimensions



Unit: mm



Interface



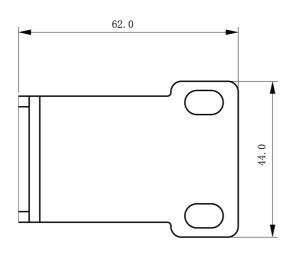


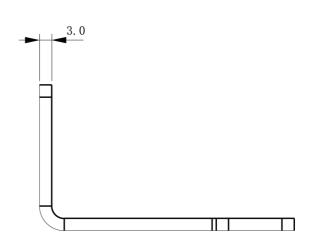
RCA in	2 * RCA unbalanced analog input
RCA out	2 * RCA unbalanced analog output
Analog in	2 * 3-Pin Phoenix connectors for balanced analog input, supports 48V phantom power
Analog out	2 * 3-Pin Phoenix connectors for balanced analog output
GPIO in	1-8 input, simulated input or contact closure (maximum 24V), switchable 5V pull-up
GPIO out	1-8 output, open-drain output (maximum 24V, 0.3A), default +3.3V
' +12VDC	0.1A
GND	Earth ground
RS-232	Interface control
USB Type-B	2 * USB 3.0 device interfaces
MGMT	Network Interface Control
LAN	3 * RJ-45 Dante PoE+ powered interfaces
Power	100-240 V, 50/60 Hz, 2A

Accessory Dimensions

Unit: mm

Mounting ear-left





Mounting ear-right



