DS-QAPPU1212-N
Network Audio Processor 12 In 12 Out

- 2-channel 3-pin Phoenix terminal balanced inputs and 2-channel 3-pin Phoenix terminal balanced outputs, which can be connected to analog audio devices, such as wireless microphones, amplifiers, active speakers, etc., and can also be connected to encoding devices such as video conference terminals
- 1-channel 3.5 mm stereo input and 1-channel 3.5 mm stereo output. Support sound reinforcement from devices such as mobile phones and PCs
- 2 USB Type-C interfaces, which can be connected to USB cameras and computers to achieve video input and audio&video output, making the system easy to use
- Support 3A algorithms. Support setting functions such as mixing, filter, equalizer, feedback suppression, delay, limiter, etc., which provides better audio processing
- Support AES67 international standard transmission protocol (subsequent versions will support AES67 third-party compatibility), effectively ensuring low-latency and high-synchronization transmission for the network audio system
- Support device activation, network setting, routing setting, parameter setting, and other related operations via audio assistant tool
- Support power supply and audio transmission via POE network cables, making installation and wiring more convenient
- Compatible with cabinet installation and under-table or wall mounting, helping to keep the conference room clean
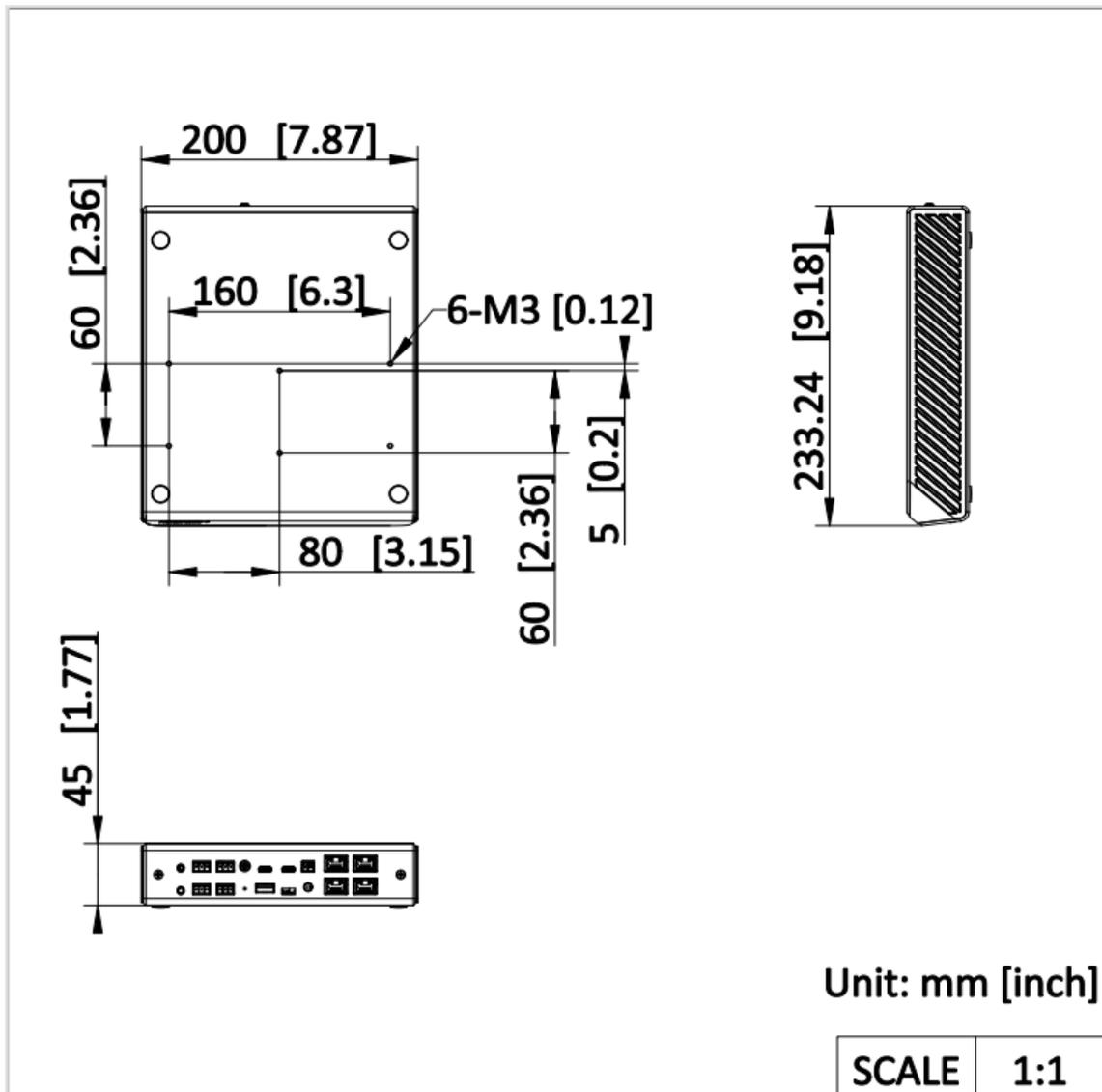
▪ Specification

Basic Parameter	
Channel	AES 67 IN×9；AES 67 OUT×8
Sampling Rate	48 kHz
Sampling Bit-Depth	24bit
Function	
Audio Algorithm	ALC, AEC, ANS, HS, Automatic Mixing, Matrix Mixing, Noise Gate, COMP, Delay, PEQ
Audio Bit Rate	RTP 768000 bps, AES67 1152000 bps
Protection Function	Power Reverse Protection, Overcurrent Protection, Overvoltage Protection, Overload Protection
Network	
Network Protocol	AES67, TCP/IP, ICMP, HTTP, HTTPS, DNS, RTP, RTSP, RTCP, NTP, QoS, UDP, SSL/TLS, IEEE1588
Interface Protocol (API)	OTAP
Network Security	Password protection, complicated password, HTTPS encryption, basic and digest authentication for HTTP/HTTPS, security audit log, TLS 1.2/1.3
Audio	
Frequency Response	LINE IN (Phoenix terminal): 50 Hz to 20 KHz ± 1 dB 3.5 mm TRS: 40 Hz to 4 KHz ± 1 dB
EIN (A-Weight)	LINE IN (Phoenix terminal): -88.13 dBV (20 Hz to 20 kHz, A-weighted, 100 Ω) 3.5 mm TRS: -93.58 dBV (20 Hz to 20 kHz, A-weighted, 100 Ω)
Total Harmonic Distortion (THD)	LINE IN (Phoenix terminal): 0.03% (1 KHz, 0 dBV, 0 dB analog gain) 3.5 mm TRS: 0.1% (1 KHz, 0 dBV, 0 dB analog gain)
SNR (A-Weighted)	LINE IN (Phoenix terminal): 72.31 dB 3.5 mm TRS: 74.5 dB
Interface	
Network Interface	RJ45 1000 M Ethernet port × 4 1 Ethernet port is designed for connecting the audio processor to the network and supports Power over Ethernet (PoE) for powering the audio processor. 3 Ethernet ports are designed for providing PoE power to external devices while also supporting data transmission.
Local Storage	Built-in 32 GB EMMC × 1, 2 GB DDR4 × 2
Audio In	LINE IN × 2, green phoenix terminal 3.5 mm TRS × 1
Audio Out	LINE OUT × 2, green phoenix terminal 3.5 mm TRS × 1

LED Indicator	4 INPUT/OUTPUT Indicators: Light off: Less than -60 dBFS. Green: -59 dBFS to -24 dBFS. Yellow: -23 dBFS to -1 dBFS. Red: No less than 0 dBFS. 1 USB Audio Indicator: Light off: No USB device connected. White: The connected USB audio device is running normally. Flashing Red: The connected USB audio device is abnormal. 1 Power Indicator: Breathing White: The device is powering on and initializing. Solid White: The device is running normally Flashing White (10 times): Device recognition is in progress (when there are multiple devices in the system, click Identify Device on the client Flashing Red: Device fault.
Reset	Support
USB	USB3.0 × 3 TypeA × 1: For debugging TypeC × 2: One for connecting a USB camera, receiving image input; another for connecting to a computer or large screen, outputting audio and video.
Compatibility	
System Requirement	Recommended system configuration for Audio Assistant Tool: Operating System: Windows(R) 10 (recommended), Compatible with Windows(R) 7 / Windows(R) 8.1 / Windows(R) 11 CPU: Intel(R) i3-9100@4.2 GHz or above RAM: 4 GB and above Video Card: GT1030 D5 HDD: 20 GB Display: 1920×1080 and above
General	
Power	Input: Dual power inputs, PoE: 802.3at or Max. DC 48 V 1.5 A (including PoE output); Output: 3-port PoE: 802.3at, total output: 40 W (supported only when powered by DC).
Material	Main body: Metal Base: Metal
Dimension	233 mm × 200 mm × 45 mm (9.17" × 7.87 × 1.77")
Weight	Approx. 1.9 kg (4.2 lb.)
Operating Condition	-10 °C to 50 °C (14 °F to 122 °F). Humidity 90% or less (non-condensing)
Package Dimension	374 mm × 345 mm × 90 mm (14.72" × 13.58 × 3.54")
With Package Weight	Approx. 3.04 kg (6.7 lb.)
Color	Gray
Installation	Cabinet installation and under-table or wall mounting
System Language	English

▪ **Available Model**

DS-QAPPU1212-N

▪ **Dimension**

200 [7.87]

60 [2.36]

160 [6.3]

6-M3 [0.12]

80 [3.15]

60 [2.36]

5 [0.2]

233.24 [9.18]

45 [1.77]

Unit: mm [inch]

SCALE 1:1

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