

**DS-QAPPU1212-N**

- 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

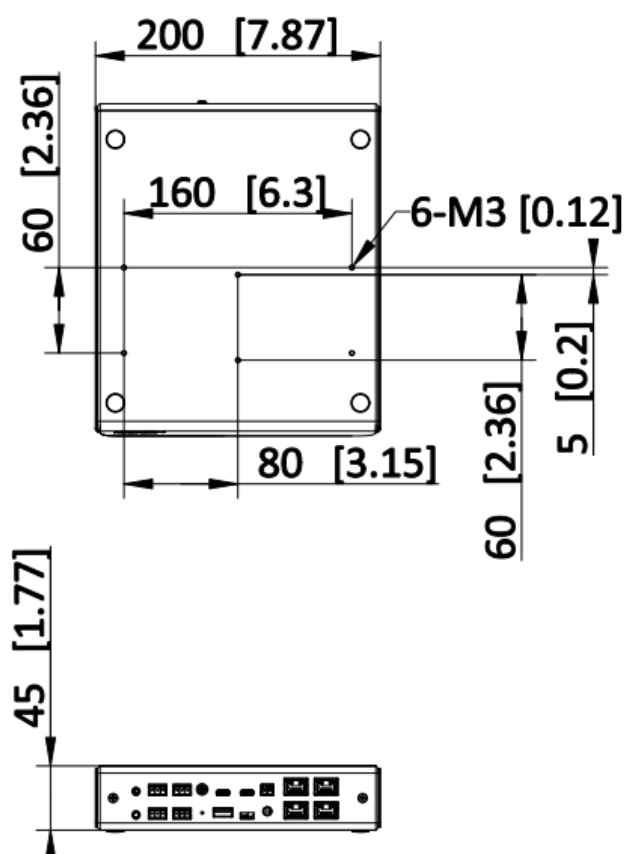
| Basic Parameter                 |   |
|---------------------------------|---|
| Channel                         | AES 67 IN×24 ; AES 67 OUT×8   |
| Sampling Rate                   | 48 kHz  |
| Sampling Bit-Depth              | 24bit   |
| Function                        |   |
| Audio Algorithm                 | 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<br>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)<br>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)<br>3.5 mm TRS: 0.1% (1 KHz, 0 dBV, 0 dB analog gain)   |
| SNR (A-Weighted)                | LINE IN (Phoenix terminal): 72.31 dB<br>3.5 mm TRS: 74.5 dB   |
| Interface                       |   |
| Network Interface               | RJ45 1000 M Ethernet port × 4<br>1 Ethernet port is designed for connecting the audio processor to the network and supports Power over Ethernet (PoE) for powering the audio processor.<br>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<br>3.5 mm TRS × 1   |
| Audio Out                       | LINE OUT × 2, green phoenix terminal<br>3.5 mm TRS × 1  |

|                      |  |
|----------------------|--|
| LED Indicator        | <p>4 INPUT/OUTPUT Indicators:</p> <p>Light off: Less than -60 dBFS.</p> <p>Green: -59 dBFS to -24 dBFS.</p> <p>Yellow: -23 dBFS to -1 dBFS.</p> <p>Red: No less than 0 dBFS.</p> <p>1 USB Audio Indicator:</p> <p>Light off: No USB device connected.</p> <p>White: The connected USB audio device is running normally.</p> <p>Flashing Red: The connected USB audio device is abnormal.</p> <p>1 Power Indicator:</p> <p>Breathing White: The device is powering on and initializing.</p> <p>Solid White: The device is running normally</p> <p>Flashing White (10 times): Device recognition is in progress (when there are multiple devices in the system, click Identify Device on the client</p> <p>Flashing Red: Device fault.</p> |
| Reset                | Support  |
| USB                  | <p>USB3.0 × 3</p> <p>TypeA × 1: For debugging</p> <p>TypeC × 2: One for connecting a USB camera, receiving image input; another for connecting to a computer or large screen, outputting audio and video.</p>  |
| <b>Compatibility</b> |  |
| System Requirement   | <p>Recommended system configuration for Audio Assistant Tool:</p> <p>Operating System: Windows(R) 10 (recommended), Compatible with Windows(R) 7 / Windows(R) 8.1 / Windows(R) 11</p> <p>CPU: Intel(R) i3-9100@4.2 GHz or above</p> <p>RAM: 4 GB and above</p> <p>Video Card: GT1030 D5</p> <p>HDD: 20 GB</p> <p>Display: 1920 × 1080 and above</p>  |
| <b>General</b>       |  |
| Power                | <p>Input: Dual power inputs, PoE: 802.3at or Max. DC 48 V 1.5 A (including PoE output);</p> <p>Output: 3-port PoE: 802.3at, total output: 40 W (supported only when powered by DC).</p>  |
| Material             | <p>Main body: Metal</p> <p>Base: Metal</p>   |
| 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



Unit: mm [inch]

|       |     |
|-------|-----|
| SCALE | 1:1 |
|-------|-----|

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