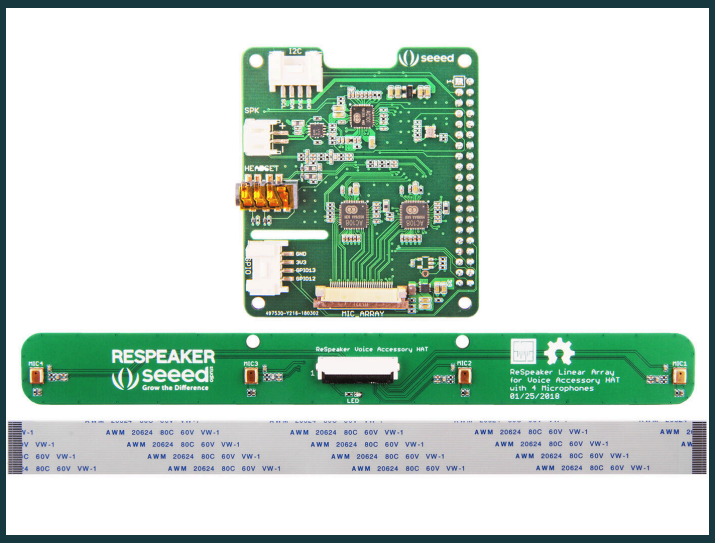
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INDUSTRIAL PRODUCT DATASHEET

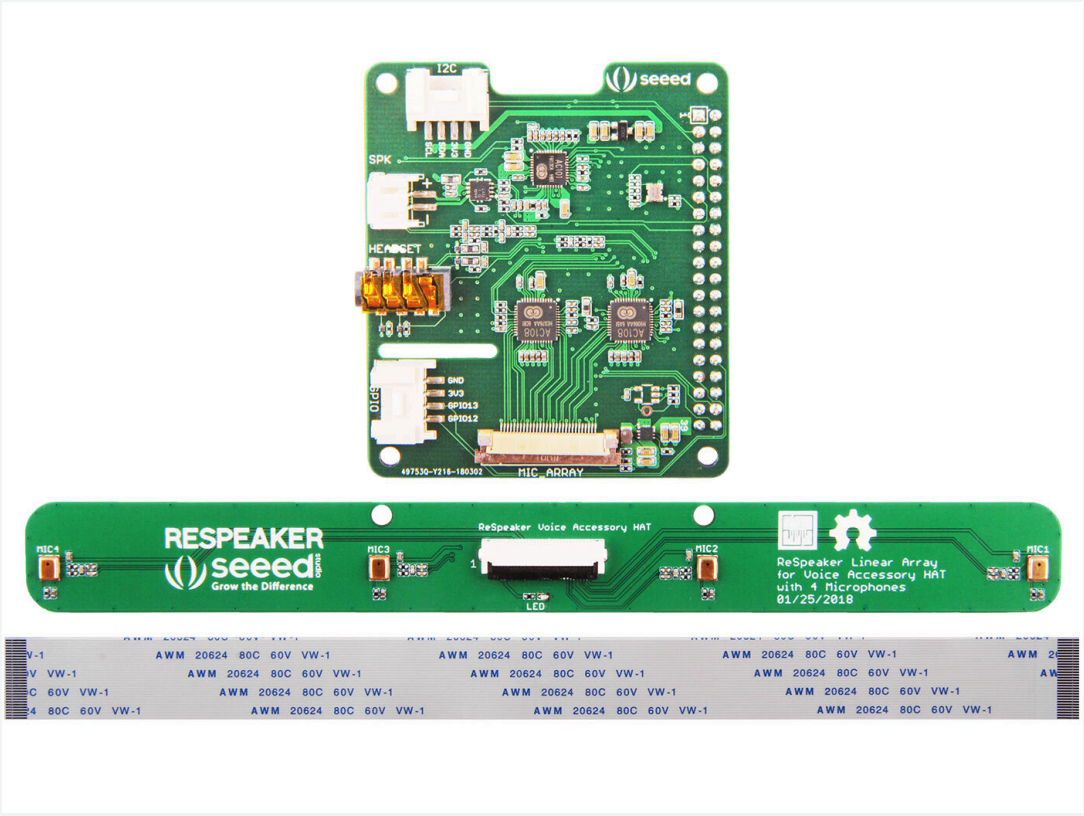
# ReSpeaker 4-Mic Linear Array Kit for Raspberry Pi

The ReSpeaker 4-Mic Linear Array Kit for Raspberry Pi is a four-microphone array with 8 input and 8 output channels, Grove support, and Raspberry Pi compatibility, ideal for smart speakers, voice assistants, voice recorders, and...

| SKU | UPDATED | PRICE |
| --- | --- | --- |
| 107990056 | 2026-08-05 01:42:00 | $29.90(Excl. VAT) |



# Overview

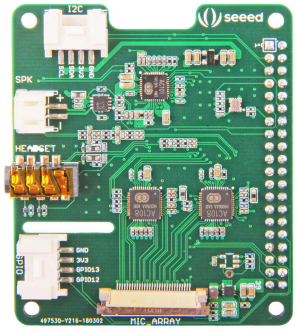


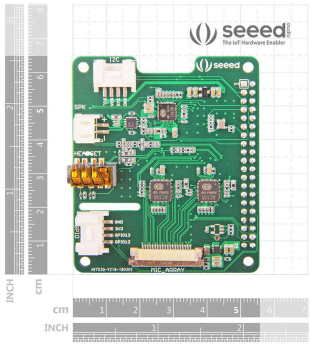

The ReSpeaker 4-Mic Linear Array Kit for Raspberry Pi integrates 2 ADC chips, 1 DAC chip, four microphones, 8 input and 8 output channels, and Grove support. Designed for compatibility with Raspberry Pi 40-pin headers and Raspberry Pi 4, it provides headset and speaker voice output for smart speaker, intelligent voice assistant, voice recorder, and other voice-command applications.

# Key Features

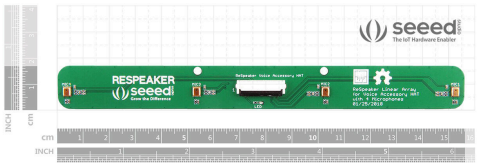
- 2 ADC chips and 1 DAC chip
- 8 input and 8 output channels
- Four microphones array
- Grove support
- Compatible with Raspberry Pi 40-pin headers
- Headset and speaker voice output
- Compatible with Raspberry Pi 4

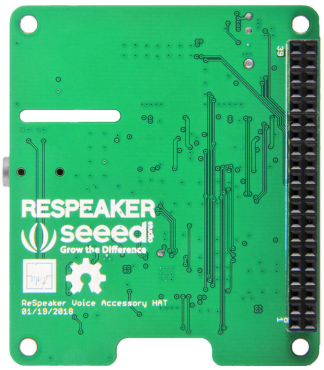
# Product Gallery

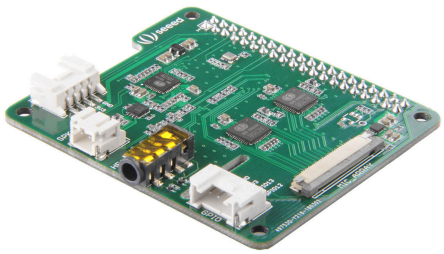


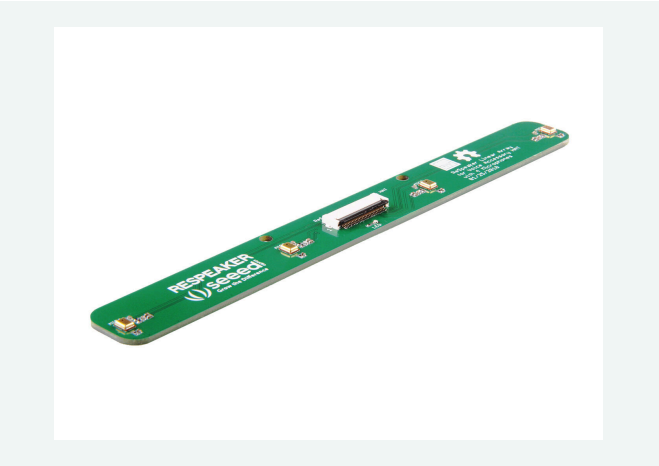







# Applications

- **Smart speaker**
- **Intelligent voice assistant systems**
- **Voice recorders**
- **Voice conferencing system**
- **Meeting communicating equipment**
- **Voice interacting robot**
- **Car voice assistant**
- **Other scenarios need voice command**

## Part List

| | |
|---|---|
| 1 x ReSpeaker Voice Accessory HAT | 1 |
| 1 x ReSpeaker 4-Mic Linear Array for Voice Accessory HAT | 1 |
| 1 x 20cm Ribbon Cable | 1 |

## Compliance & Logistics




| | |
|---|---|
| HSCODE | 8473309000 |
| USHSCODE | 8473309100 |
| UPC | 841454120391 |
| EUHSCODE | 8471707000 |
| COO | CHINA |

# Resource Links

- https://www.seeedstudio.com/ReSpeaker-4-Mic-Linear-Array-Kit-for-Raspberry-Pi.html
- AC101 Datasheet
- AC108 Datesheet
- Seeed-Voice Driver
- Algorithms includes DOA, VAD, NS
- Voice Engine project, provides building blocks to create voice enabled objects
- AEC
- 2D Drawing

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